

UNIFIED FACILITIES CRITERIA (UFC) 3-701-03

DoD FACILITIES PRICING GUIDE



VERSION 5

MARCH 2003

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Department of the Air Force: Air Force Civil Engineer Support Agency

Record of Changes (changes are indicated by \1\ ... /1/)

Change No.	Date	Location

FOREWORD

The Unified Facilities Criteria (UFC) system is prescribed by MIL-STD 3007 and provides planning, design, construction, sustainment, restoration, and modernization criteria. It applies to the Military Departments, Defense Agencies, and DoD Field Activities in accordance with USD(AT&L) Memorandum dated 29 May 2002. UFC will be used for all DoD projects and work for other customers where appropriate. Headquarters, U.S. Army Corps of Engineers (HQUSACE), Naval Facilities Engineering Command (NAVFAC), and Air Force Civil Engineer Support Agency (AFCESA) are responsible for administration of the UFC system. Technical content of UFC is the responsibility of the cognizant DoD working group.

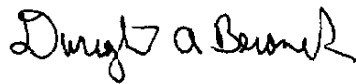
UFC are living documents and will be periodically reviewed, updated, and made available to users. Recommended changes with supporting rationale should be sent to the respective service proponent office via the electronic Criteria Change Request (CCR) form. This form is accessible from the Internet sites listed below. Defense agencies should contact the preparing activity for document interpretation and improvements.

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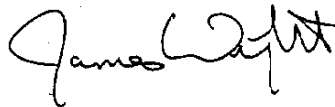
- Unified Facilities Criteria (UFC) Index http://65.204.17.188/report/doc_ufc.html.
- USACE TECHINFO Internet site <http://www.hnd.usace.army.mil/techinfo/index.htm>.
- NAVFAC Engineering Innovation and Criteria Office Internet site <http://criteria.navfac.navy.mil>.
- Construction Criteria Base (CCB) system maintained by the National Institute of Building Sciences at Internet site <http://www.nibs.org/ccb>.

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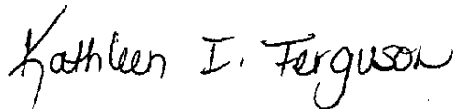
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INTRODUCTION

The DoD Facilities Pricing Guide represents a new milestone in the Department's ongoing effort to unify programming and budgeting guidance for facilities. The Guide consists of two parts formerly published separately.

- **Part 1**, previously published as the DoD Facilities Cost Factor Handbook, provides unit cost factors intended for macro-level analysis and planning in tools such as the Facilities Sustainment Model and the Facilities Recapitalization Metric. These cost factors are generally not suitable for individual facilities or projects.
- **Part 2**, formerly published separately as the Tri-Service MILCON Pricing Guidance, provides unit cost data and related adjustment factors for selected DoD facility types and is intended for use in developing project-level estimates and preparing MILCON project documentation (DD Forms 1391).

Users may note similarities between the two sections—specifically, that many of the Part 1 construction cost factors are derived from corresponding Tri-Service Primary Facility Unit Cost Data found in Part 2. Nonetheless, Part 1 construction cost factors may differ slightly from those in Part 2 due to the following reasons:

- Facility Analysis Categories (FACs) that form the basis of Part 1 cost factors differ from Primary Facility Unit categories that are the basis of the Part 2 cost factors. Often, FACs are more specific than the Primary Facility Unit categories. FACs may also be a composite of Primary Facility Unit categories and other sources.
- FAC (Part 1) cost factors are based upon the reported average DoD facility size or an established benchmark, as annotated in the FAC notes. This may differ from the reference size for Part 2 cost factors.
- Part 1 cost factors are expressed in current year (FY03) dollars; part 2 cost factors are expressed in FY05 dollars.

The Department intends to more-fully integrate the data provided in these two sections in future versions of the Guide to better serve common objectives, and welcomes any recommendations that users may have toward this goal.

The Office of the Deputy Under Secretary of Defense for Installations and Environment is the proponent for the Facilities Pricing Guide. Please e-mail your comments to: DoD.Pricing.Guide@osd.mil.

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DoD FACILITIES PRICING GUIDE—PART 1

Introduction

To promote macro-level analysis and planning, DoD implemented a facility classification system that groups facilities with similar functions and units of measure into Facility Analysis Categories (FACs). For each of nearly four hundred FACs, this section identifies both sustainment and construction cost factors and the source upon which they are based. Whenever possible, cost factors have been based upon commercial benchmarks. As with the FACs they represent, these cost factors are intended for macro-level analysis and planning and are not suitable for individual facilities or projects.

New In This Version

Version 5.0 of the Guide expands on the previous research and modifies the presentation format. Changes included are:

- 50 new or renumbered FACs: each new or renumbered FAC is indicated with an * in the DoD COST FACTOR TABLE.
- Updated cost factors for FACs measured in square feet based upon a commercial cost-estimating model (the MARS 5.0 Facility Maintenance Cost Forecast System developed by Whitestone Research Corporation). The MARS system provides increased accuracy and consistency by generating costs from detailed component lists that include roof structures, walls, doors, windows, HVAC components, plumbing fixtures, electrical components, and other specialized items tailored to each FAC.
- Updated cost factors for specific facility types (such as medical facilities) based upon more-detailed cost data from users.
- Expanded FAC descriptions that include “average” size information upon which the cost factors are based.

Sustainment Cost Factors

Definition of Facilities Sustainment

Provides resources for maintenance and repair activities necessary to keep a typical inventory of facilities in good working order over a 50-year service life. It includes regularly scheduled adjustments and inspections, preventive maintenance tasks, and emergency response and service calls for minor repairs. It also includes major repairs or

replacement of facility components (usually accomplished by contract) that are expected to occur periodically throughout the facility life cycle. This work includes regular roof replacement, refinishing wall surfaces, repairing and replacing electrical, heating, and cooling systems, replacing tile and carpeting, and similar types of work.¹ It does not include repairing or replacing non-attached equipment or furniture, or building components that typically last more than 50 years (such as foundations and structural members). Sustainment does not include restoration, modernization, environmental compliance, specialized historical preservation,² or costs related to acts of God, which are funded elsewhere. Other tasks associated with facilities operations (such as custodial services, grass cutting, landscaping, waste disposal, and the provision of central utilities) are also not included.³

Use of Sustainment Cost Factors

Sustainment requirements can be forecasted accurately using unit cost factors adjusted for location. DoD employs such a cost-factor methodology in the Facilities Sustainment Model (FSM) to determine the DoD-wide facility sustainment requirement. The formula is:

$$\text{Requirement} = \text{Facility Quantity}^4 \times \text{Sustainment Cost Factor} \times \text{Area Cost Factor}^5 \times \text{Inflation Factor}$$

The cost factor methodology is inherently superior to other methods in calculating sustainment requirements. Another common method—using a percentage of plant replacement value—is a less-accurate generalization across an entire inventory. In terms of plant replacement value, actual sustainment costs for DoD facilities range from considerably less than 1% (FAC 8112 – Stand-By/Emergency Power) to over 19% (FAC 8122 – Exterior Lighting Lines). This finding is supported by Whitestone Research,⁶ and other studies published by the National Academy of Sciences. The use of the backlog of maintenance and repair (BMAR) as a means of estimating the sustainment requirement, is also fraught with problems, including subjectivity, the difficulty and expense of obtaining a valid number, and its propensity to change independent of funding levels. Even if these inherent problems could be overcome, BMAR fails as a facilities sustainment metric since the backlog often includes other costs (such as restoration and modernization) that are beyond the scope of sustainment. Because of this, DoD no longer uses BMAR as a metric.

¹ Facilities Sustainment also generally allows for overhead costs, which include architectural and engineering services.

² Specialized historical preservation costs are those for customized components or materials that are no longer readily available.

³ Facilities Sustainment Program Element (PE) definition adopted for use in FY 2003 budget development.

⁴ The application of cost factors to existing real property records could lead to large errors if the inventory and units of measure are not first screened and validated, as is done in the DoD Facilities Sustainment Model. These errors and conversions primarily involve facility categories that are measured in terms of capacity (miles, feet, kilovolts, kilowatts, gallons, thousands of gallons per day, millions of BTU per hour, etc.).

⁵ A geographic location adjustment for costs of labor, material, and equipment, published in Part 2 of this pricing guide.

⁶ *The Whitestone Building Maintenance and Repair Cost Reference*, 2002, p. 7.

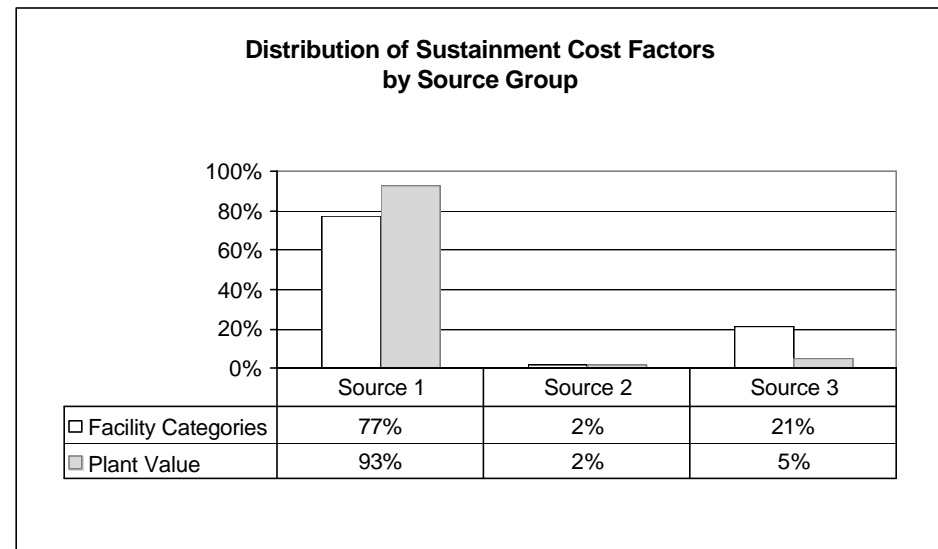
Selection of Sustainment Cost Factors

In selecting from possible sustainment cost sources, the most credible factor was assigned to each facility category. General “credibility” was determined by a priority scheme for groups of cost factor sources. Where two or more cost factors were available within the top group, a selection was based upon engineering judgment and approved by consensus of the DoD FSM Configuration/Support Panel.

Sustainment Cost Factor Source Hierarchy	
Source 1	Standard, off-the-shelf, commercially published sources (e.g., Whitestone). These sources are considered most desirable due to ease of access, wide applicability, and lack of bias. Publications cover whole facilities and separate components of facilities, and include factors from professional associations and certain non-DoD federal, state, or local government agencies.
Source 2	Source 1 cost factors that are applied to facilities with similar but not identical characteristics (e.g., sewage waste treatment facilities and industrial waste treatment facilities). Source 2 also includes Service-validated cost factors for facilities that have no commercial counterparts (e.g. missile launch facilities or military ranges).
Source 3	Cost factors derived from Source-1 factors by multiplying the construction cost factor by the ratio of the sustainment cost factor to the construction cost factor for a similar Source-1 Facilities Analysis Category (e.g. FAC 2115, Aircraft Maintenance Hangar, Depot derived from FAC 2111, Aircraft Maintenance Hangar).

Distribution of Sustainment Cost Factors

For each cost factor, the cost factor table indicates the source group (1, 2, or 3) that is intended to reflect its relative accuracy and credibility. In version 5.0 of the pricing guide, 77% of the facility categories (representing 93% of DoD’s plant replacement value) are assigned Source 1 sustainment cost factors.



Construction Cost Factors

Definition of Construction

Construction provides a complete and useable facility capable of serving the purposes for which it was designed. Construction costs include pilings, foundations, all interior and exterior walls and doors, the roof, utilities up to the 5-foot line, all built-in plumbing and lighting fixtures, security and fire protection systems, electrical distribution, wall and floor coverings, heating and air conditioning systems, and elevators. Not included are items generally termed personal property such as computer systems, telephone instruments, and furniture. Also not included are project costs such as design, supporting facility costs, equipment acquired with other funding sources (e.g. mission-funded range targets), contingency costs, and supervision, inspection, and overhead (SIOH).

Use of Construction Cost Factors

Construction cost factors form the basis of calculating plant replacement value. The standard DoD algorithm for calculating plant replacement value is:

$$\text{Plant Replacement Value} = \text{Facility Quantity}^7 \times \text{Construction Cost Factor} \times \text{Area Cost Factor}^8 \times \text{Historical Records Adjustment}^9 \times \text{Planning and Design Factor}^{10} \times \text{Supervision Inspection and Overhead Factor}^{11} \times \text{Contingency Factor}^{12}$$

While this methodology is generally accepted, there has been significant divergence on the cost factors used in these calculations. Adoption of the standardized cost factors presented here will greatly increase the accuracy and consistency of plant replacement value calculations across DoD.

⁷ The application of cost factors to existing real property records could lead to large errors if the inventory and units of measure are not first screened and validated, as is done in the DoD Facilities Sustainment Model. These errors and conversions primarily involve facility categories that are measured in terms of capacity (miles, feet, kilovolts, kilowatts, gallons, thousands of gallons per day, millions of BTU per hour, etc.)

⁸ A geographic location adjustment for costs of labor, material, and equipment, published in Part 2 of this pricing guide.

⁹ An adjustment to account for increased costs for replacement of historical facilities or for construction in a historic district; the current value of the factor is 1.05 (a 5% increase).

¹⁰ A factor to account for the planning and design of a facility; the current value of this factor is 1.09 (a 9% increase) for all but medical facilities and 1.13 (a 13% increase) for medical facilities.

¹¹ A factor to account for the supervision, inspection, and overhead activities associated with the management of a construction project; the current value of the factor is 1.06 (a 6% increase) for facilities in the continental US (CONUS) and 1.065 (a 6.5% increase) for facilities outside of the continental US (OCONUS).

¹² A factor to account for construction contingencies; the current value of the factor is 1.05 (a 5% increase).

Construction cost factors can also support new construction cost estimates. As with sustainment cost calculations, such estimates are most reliable at the programmatic level, and lose accuracy when applied to specific facilities or projects. These calculations can be useful for DoD and Service-level modeling of:

- Re-stationing and Regionalization
- Joint facilities studies
- Determining rates of re-capitalization
- Describing the magnitude of a facility inventory in a common unit of measure

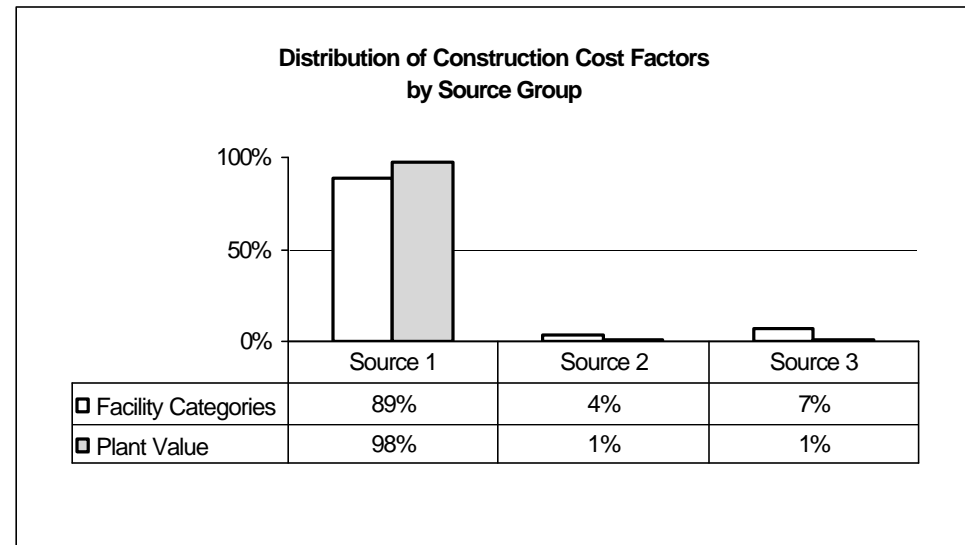
Selection of Construction Cost Factors

As with sustainment cost factors, a hierarchy was established for groups of cost factor sources. Where more than one cost factor source was available within Source 1, a selection was based upon engineering judgment and approved by consensus of the FSM Working Group.

Construction Cost Factor Source Hierarchy	
Source 1	Easily-accessed and widely applicable data. Cost factors in this category were taken directly from the DoD Tri-Service Committee on Cost Engineering (mandatory within the DoD for applicable construction); Service-specific cost guidance (USACE, USAF); commercial cost-estimating guidelines (e.g., M&S or Whitestone); or other Government-published cost guidance (e.g. Fairfax County (Virginia) Park Authority).
Source 2	Unpublished government or trade association average cost data (e.g. CEAC).
Source 3	Unpublished project-specific data, derived from Service project documents (e.g. DD Forms 1391), or by calculating costs from reported plant replacement value and inventory.

Distribution of Construction Cost Factors

For each cost factor, the cost factor table indicates the source group (1, 2, or 3) that is intended to reflect its relative accuracy and credibility. In version 5.0 of the pricing guide, 89% of the facility categories (representing 98% of DoD's plant replacement value) are assigned Source 1 cost factors.



Guidelines for Revising Published Cost Factors

Users of the DOD FACILITIES PRICING GUIDE are encouraged to suggest revisions to the published cost factors, particularly for facilities unique to their mission. Submit proposed changes to the Office of the Under Secretary of Defense for Installations (ODUSD(I)/A&I)¹³ in accordance with the following guidelines:

- Revised factors should come from an equivalent or superior source
- Revised factors should be easily audited
- Revised factors should be consistent with the definitions of sustainment or construction
- Revised factors should be consistent with the scope of the Facility Analysis Category
- Revised factors should be suitable for application throughout DoD

¹³ E-mail to: DoD.Pricing.Guide@osd.mil.

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1111	Fixed -Wing Runway, Surfaced	SY	A paved surface designed for the alnding and takeoff of fixed-wing aricraft that can also accommodate rotary-wing aircraft. The surface is usually concrete or asphalt. Runway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$1.22
1112	Rotary-Wing Landing Area, Surfaced	SY	A paved surface designed for the landing and takeoff of rotary wing aircraft. The surface is usually concrete or asphalt. It can be either a helipad or a runway. Helipad or runway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.88
1113	Runway Overrun Area, Surfaced	SY	An extension of a runway surface. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.72
1114	Runway, Unsurfaced	SY	An unpaved surface designed for the landing and takeoff of fixed-wing aircraft. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.	\$6.53	\$0.16
1121	Taxiway, Surfaced	SY	A paved surface designed for the movement of fixed-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1122	Rotary-Wing Taxiway, Surfaced	SY	A paved surface designed for the movement of rotary-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1131	Aircraft Apron, Surfaced	SY	A paved surface designed for standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. Aprons support such activities as aircraft parking, loading, and maintenance. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1161	Compass Calibration Pad, Surfaced	SY	A paved area in a magnetically quiet zone of the airfield used for the precise calibration of all types of air navigational equipment. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1162	Missile Launching Pad, Surfaced	SY	A paved surface designed for the erection and launching of a guided missile. The surface is usually concrete. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1163	Aircraft Washing Pad, Surfaced	SY	A paved surface designed for washing of standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1164	Miscellaneous Airfield Pavement, Surfaced	SY	A paved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.89
1165	Aircraft Pavement Shoulder	SY	The shoulders of runways, taxiways, etc. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.72
1166	Miscellaneous Airfield Pavement, Unsurfaced	SY	An unpaved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface can be dirt, gravel, or grass. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.	\$6.53	\$0.16
1167	Aircraft Rinse Facility	SY	A central facility for rinsing aircraft to remove dirt and pollutants. CCF is derived from PACES. SCF is derived from MicroPaver.	\$91.85	\$0.79
1211	Aircraft Fueling Facility	GM	A facility for the direct fueling of aircraft or for the filling of aircraft fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	\$144.43	\$4.29

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1212	Aircraft Defueling Facility	GM	A facility for the direct defueling of aircraft. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	\$32.22	\$0.96
1221	Marine Fueling Facility	GM	A facility for the direct fueling of ships. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	\$22.14	\$0.66
1231	Vehicle Fueling Facility	OL	A facility for the direct fueling of land vehicles or for the filling of fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from USACE data. SCF is based on a ratio from FAC 7345.	\$4,526.40	\$134.43
1241	Operating Fuel Storage	GA	Storage tanks that provide an operating and reserve supply of fuel. Cost factors are based on a 5000 GA tank. CCF is derived from USACE data. SCF is derived from RS Means.	\$3.94	\$0.08
1251	POL Pipeline	MI	Pipelines for the transfer of operating and reserve supplies of petroleum, oil, and lubricant products. CCF is derived from Marshall & Swift data. SCF is derived from a ratio of multiple FACs.	\$446,518.80	\$3,661.45
1261	Liquid Fuel Loading/Unloading Facility	OL	A facility that supports loading and/or unloading of operating and reserve supply of fuels and other petroleum, oil, and lubricant products to other than the end user. Includes loading/unloading of tank trucks, tank cars, and barges. CCF is derived from USACE data. SCF is based on a ratio from FAC 7345.	\$4,526.40	\$134.43
1311	Communications Building	SF	A building that contains communications operations and communication equipment. Communication equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from Whitestone MARS, based on the DoD average size of 3,610 SF.	\$192.86	\$3.23
1321	Communications Facility	EA	A facility, other than a building, that supports communications operations and communication equipment. Cost factors are based upon a 75' self-supporting tower. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1311.	\$40,499.55	\$676.34
1331	Aircraft Navigation Building	SF	A building that contains aircraft navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from Whitestone MARS, based on the DoD average size of 572 SF.	\$272.85	\$6.67
1341	Aircraft Navigation Facility	EA	A facility, other than a building, that supports aircraft navigation and traffic control operations. CCF is derived from data reported by the various Services. SCF is based on a ratio from FAC 1331.	\$8,278.73	\$202.00
1351	Communications Lines	MI	Communication lines, to include overhead, underground, and marine cables and lines. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$72,492.90	\$123.92
1361	Airfield Pavement Lighting	LF	Lighting on the sides and approaches of airfield pavements. Does not include other airfield lighting, such as perimeter lighting, security lighting, and street and parking lighting. CCF is derived from AFCESA data. SCF is derived from RS Means data.	\$89.94	\$0.56
1362	Airfield Lighting	EA	Other lighting directly related to aviation operations that is not airfield pavement lighting included in Facility Analysis Category 1361. CCF is derived from Air Force and RS Means data. SCF is based on a ratio from FAC 1361.	\$2,296.16	\$14.24
1371	Ship Navigation Building	SF	A building that contains ship navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from Whitestone MARS based on the DoD average size of 4,743 SF.	\$192.86	\$3.60

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1381	Ship Navigation Facility	EA	A facility, other than a building, that supports ship navigation and traffic control operations. Cost factors are based upon an Ocean Science Group SL125C beacon with buoy and anchor system. CCF is derived from data provided by Ocean Science Group. SCF is based on a ratio from FAC 1351.	\$12,131.08	\$20.62
1402	Air Defense Operations Building	SF	A building containing equipment and functions directly related to air defense operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from Whitestone MARS based on the DoD average size of 9,024 SF.	\$190.45	\$3.11
1403	Missile Operations Building	SF	A building containing equipment and functions directly related to guided missile operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,398 SF.	\$388.12	\$4.91
1404	Emergency Operations Center / SCIF	SF	A building or part of a building from which commanders and their representatives can direct operations, control forces during emergencies, or in which sensitive classified materials are reviewed and stored. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 6,884 SF.	\$177.12	\$4.16
1411	Airfield Fire And Rescue Station	SF	A building containing the personnel and equipment that provides fire and rescue support to the airfield. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 5,425 SF.	\$194.37	\$3.26
1412	Aviation Operations Building	SF	A building containing functions that are directly related to aviation operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 8,095 SF.	\$143.12	\$3.10
1413	Air Control Tower	SF	A facility containing the equipment and functions directly related to the control of aviation traffic. Facility typically contains an elevated observation deck with all-around observation. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE and AFCEA data. SCF is derived from the Whitestone MARS based on the DoD average size of 2,372 SF.	\$557.93	\$2.73
1421	Helium Production/Storage Building	SF	A building for the receipt, bulk storage, processing, and dispensing of helium gas. Included are tanks, valves, valve chambers, and similar equipment. CCF is derived from TriService data. SCF is derived from the Whitestone MARS for FAC 4422.	\$79.29	\$1.03
1422	Helium Storage Facility	EA	A facility, other than a building, for the bulk storage of helium gas. Cost factors are based on a 30,000 GA welded steel pressure tank. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1421.	\$72,678.06	\$944.81
1431	Ship Operations Building	SF	A building containing functions that are directly related to ship operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,107 SF.	\$135.38	\$3.19
1441	Photo/TV Production Building	SF	A building containing the equipment and functions that provide photographic or television production. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 5,480 SF.	\$151.00	\$3.77
1442	Operations Support Lab	SF	A building containing the equipment and functions of a technical laboratory that directly supports operational activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,578 SF.	\$187.94	\$3.14

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1443	Operations Supply Building	SF	A building containing the equipment and functions that directly support operational supply activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 8,791 SF.	\$69.62	\$2.48
1444	Miscellaneous Operations Support Building	SF	A building containing equipment and functions that directly support operational activities not included in other Facility Analysis Categories. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 2,338 SF.	\$175.90	\$4.00
1445	Working Animal Support Building	SF	A building containing working animal operational and support functions. CCF is derived from AFCEA data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,592 SF.	\$81.38	\$4.89
1446	Security Force Building	SF	A building for a stand-by security force. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 6,545 SF.	\$126.94	\$3.81
1451	Strategic Missile Launch Facility	EA	An underground facility containing an inter-continental ballistic missile, ready for launch. CCF is derived from AFCEA data. SCF is derived from data pertaining to FAC 1452.	\$4,237,545.77	\$9,091.72
1452	Missile Guidance Facility	SF	A facility containing the equipment and functions of command and control communications providing telemetry for ballistic missiles. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,846 SF.	\$335.93	\$5.13
1453	Missile Access Shaft	EA	Elevator shaft access connecting areas between underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	\$74,755.58	\$1,143.76
1454	Missile Access Tunnel	LF	Tunnels connecting underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	\$611.43	\$9.35
1455	Missile Shelter	SF	Structures intended to protect guided missiles from weather and attack. CCF is derived from USACE data. SCF is based on a ratio from FAC 4427.	\$30.50	\$0.46
1456	Missile Defense Facility	EA	A facility, other than a building, directly related to missile defense operations. Cost factors are based upon an average size of 1,398 SF. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS data for FAC 1403.	\$542,591.76	\$6,864.18
1461	Aircraft Arresting System	EA	A system for engaging aircraft and absorbing kinetic energy in order to quickly and safely capture and stop the aircraft. Cost factors are based upon the BAK-21 Aircraft Arresting System. A system employed as a pair constitutes 1 EA. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	\$653,934.68	\$10,005.20
1462	Aircraft Catapult	EA	Ground-emplaced equipment to replicate the launching of aircraft from an aircraft carrier deck. CCF is derived from Navy data. SCF is based on a ratio from FAC 1452.	\$123,601.53	\$1,891.10
1463	Aircraft Firing-In Butt	EA	An earth and wood backstop used as a safe area, toward which aircraft weapons are pointed when hot ammunition is downloaded. CCF is derived from Air Force data. SCF is derived from Air Force data.	\$382,238.93	\$25,482.59
1464	Aircraft Blast Deflector	EA	A structure for deflecting the force of jet blast away from personnel, equipment, or facilities. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 2123.	\$35,598.73	\$573.14
1465	Aircraft Shelter, Hardened	SF	Hardened shelters intended to protect tactical aircraft in a forward location from attack. CCF is derived from AFCEA data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,574 SF.	\$291.26	\$2.31
1466	Aircraft Shelter	SF	Shelters intended to protect fighter interceptor aircraft on alert from the elements. CCF is derived from AFCEA data. SCF is derived from the Whitestone MARS based on the DoD average size of 11,026 SF.	\$119.06	\$1.00

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1467	Aircraft Support Facility	EA	A facility containing equipment and functions that support aviation operations. D82	\$59,330.82	\$1,287.48
1481	Nuclear Propulsion Support Facility	EA	A facility, other than a building, directly related to nuclear propulsion operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 1402.	\$112,851.30	\$1,839.48
1491	Nuclear Weapons Support Facility	EA	A facility, other than a building, directly related to nuclear weapon operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 2153.	\$115,973.00	\$1,449.66
1492	Explosives Holding/Transfer Area	SY	An open area used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from USACE data. SCF is derived from RS Means data.	\$44.28	\$1.04
1493	Explosives Railway Holding Yard	EA	A rail yard used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from Navy data. SCF is derived from RS Means and other data sources.	\$325,459.80	\$5,193.54
1494	Explosives Holding/Transfer Facility	EA	A facility used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from AFCEA data. SCF is based on a ratio from FAC 1493.	\$6,309.65	\$148.28
1495	Revetment	EA	A barrier to protect personnel, equipment, or facilities from attack or explosion. Cost factors are based upon a barrier 50' wide (at the base) by 12' high by 100' long. CCF is derived from USACE data. SCF is derived from RS Means data.	\$16,965.17	\$234.12
1496	Central Vehicle Wash Facility	EA	A facility for pre-wash mud removal and washing of military and commercial vehicles. Included are water recirculation, high- and low- pressure cleaning, water containment and drains, and sediment and sludge removal. CCF is derived from USACE data. SCF is based on a ratio from FAC 2141.	\$6,543,216.24	\$128,901.36
1497	Explosive Ordnance Disposal Area	EA	An area in which explosive ordnance and explosive devices can be safely disarmed or destroyed.	n/a	n/a
1498	Security Support Facility	SF	Fighting positions or security checkpoints used to directly support security operations. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 184 SF.	\$188.93	\$2.83
1499	Miscellaneous Operations Support Facility	EA	A facility, other than a building, that directly supports operational activities and is not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is based on a ratio from FAC 7384.	\$13,746.25	\$180.08
1511	Pier	SY	A structure for docking ships that extends into the waterway such that ships can dock along both sides. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.	\$833.78	\$24.26
1512*	Wharf	SY	A structure that abuts the waterway such that ships can dock along only the seaward side. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.	\$833.78	\$24.11
1531	Marine Cargo Staging Area	SY	An open area for the temporary placement of cargo to be loaded on, or already unloaded from, ships. CCF is derived from USACE data. SCF is derived from RS Means data.	\$44.28	\$1.04
1541	Shore Erosion Prevention Facility	LF	Structures constructed to prevent shore erosion due to wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	\$434.25	\$5.99
1551	Small Craft Berthing	FB	Small craft berthing consists of either a pier or wharf providing an area for small craft (less than 66 feet in length) to berth. This may include lighterage vessels, tug boats, fire boats, and other small craft. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1511.	\$1,971.69	\$57.38
1552	Small Craft Building	SF	A building in which small craft (less than 66 feet in length) can be stored. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,175 SF.	\$24.16	\$1.44

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1591	Miscellaneous Waterfront Facility	EA	A facility that directly supports waterfront operations and is not included in another Facility Analysis Category.	\$39,850.21	\$549.93
1611	Harbor Control Facility	EA	A facility that functions to control physical access to a harbor. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1371.	\$396,422.33	\$7,413.10
1631	Offshore Mooring Facility	EA	A structure used to physically secure a ship at an offshore location, not alongside a pier or wharf. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1381.	\$8,439.28	\$14.35
1641	Harbor Marine Improvements	LF	Structures constructed to improve harbor operations by reducing wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	\$434.25	\$5.99
1711	General Purpose Instruction Building	SF	Training buildings that include primarily classroom space for multipurpose training instruction typically conducted by a school/training center. These facilities may include auditorium, library and/or technical education or learning resource centers, and administrative support space. These general-purpose facilities are intended for use by organizations that serve a large population for basic lecture/conference/seminar instruction. These facilities are distinct from organizational classroom areas associated with unit headquarters and trainee barracks. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,192 SF.	\$143.12	\$3.43
1712	Applied Instruction Building	SF	Training buildings that include dedicated space for specialized training instruction typically conducted by a school/training center. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,984 SF.	\$164.39	\$2.56
1713	Band Training Facility	SF	A facility housing the training and administrative functions of a band unit and/or chorus unit. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,103 SF.	\$124.97	\$3.66
1714	Reserve Training Facility	SF	Reserve Component training centers are multipurpose facilities for the gathering, training, and dispatching of National Guard and/or Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,178 SF.	\$125.71	\$3.94
1715	Physical Education Building	SF	A building for the purpose of conducting physical education training. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	\$155.69	\$3.29
1717	Organizational Classroom	SF	A facility, or portions thereof, that provides space to conduct indoor classroom instruction at organizational level. D153	\$124.97	\$4.21
1718	Indoor Firing Range and Supporting Facility	SF	Indoor firing ranges provide marksmanship training space for the firing of pistols and small caliber rifles. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,827 SF.	\$110.21	\$4.38
1721	Flight Simulator Facility	SF	A facility designed to house flight simulators and other flight training devices. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,793 SF.	\$185.97	\$5.01
1722	Physiological Training Facility	SF	A facility for training air-crew members and passengers on the physiological effects of high altitude flight, spatial disorientation, night vision, and decompression and ejection seat escape. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,160 SF.	\$100.90	\$2.69
1723	Gas Training Facility	SF	A facility for training personnel in the use of protective masks and the effects of chemical warfare. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,733 SF.	\$107.26	\$2.32

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1724	General Purpose Simulator Facility	SF	A building containing simulator equipment or in which battle and battle control exercises are conducted. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,376 SF.	\$136.78	\$3.18
1725	Training Pool and Tank	EA	A water-filled structure for training related to water operations and survival. CCF is derived from data supplied by all the Services. SCF is based on a ratio from FAC 7422.	\$327,141.48	\$7,229.83
1731	Range Support Building	SF	A facility containing equipment and functions that support range operations. CCF is derived from AFCEA and USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,060 SF.	\$106.50	\$2.88
1732	Training Aids Support Building	SF	A facility containing training aids and equipment storage and training aids fabrication activities. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,458 SF.	\$117.10	\$2.54
1733	Training Support Structure	SF	A facility, other than a building, that directly supports training activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,222 SF.	\$42.31	\$0.49
1734*	Observation Tower/Bunker	EA	A structure from which observation and control of training and other operations can be conducted. Cost factors are based upon an average size of 800 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 1413.	\$140,121.60	\$686.60
1741*	Maneuver/Training Land, Light Forces	AC	Maneuver/training lands that provide space for the movement of light combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.	\$0.00	\$0.53
1742*	Maneuver/Training Land, Heavy Forces	AC	Maneuver/training lands that provide space for the movement of heavy combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.	\$0.00	\$0.53
1743*	Weapons Impact Area	AC	Impact areas have designated boundaries within which all ordnance will detonate or impact. The primary function of impact areas is to contain weapons effects as much as possible using earthen berms or natural terrain features. SCF is based on data from the ATSC.	\$0.00	\$0.53
1744*	Parachute Drop Zone	AC	A cleared area suitable for the landing of personnel and/or equipment via parachute drop. SCF is based on data from the ATSC.	\$0.00	\$0.53
1745*	Parade and Drill Field	AC	An area that provides open space for military ceremonies, outdoor drill training, physical fitness tests, and physical exercises. SCF is based on data from RS Means.	\$0.00	\$111.96
1750*	General Purpose Small Arms Range	FP	A training range for the firing of small arms. Exact design of these ranges will vary according to the specific nature of the weapons and training desired. Designed for handguns, shoulder fired weapons, and machineguns. CCF is derived from a design build out. SCF is based on a ratio from multiple range FACs.	\$17,421.23	\$398.95
1751*	Zero Range	FP	A range for preparatory marksmanship training; zeroing, and corrective instruction on the rifle and machine gun; and to practice machine gun traversing and searching. CCF is derived from USACE data. SCF is derived from USACE data.	\$466.46	\$14.33
1752*	Field Fire Range	FP	A range for firing the rifle at targets comparable to battlefield ranges, developing speed in target engagements, and developing confidence in individual ability. CCF is derived from USACE data. SCF is derived from RS Means data.	\$17,707.29	\$379.18
1753*	Record Fire Range	FP	A range for practice and qualification in engaging personnel targets with a rifle in a simulated combat environment. CCF is derived from USACE data. SCF is derived from RS Means data.	\$29,593.55	\$518.71
1754*	Night Fire Range	FP	A range used for training of night fire rifle engagement techniques and to complete qualification scores. CCF is derived from USACE data. SCF is derived from RS Means data.	\$3,262.57	\$56.88

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1755*	Known Distance Range	FP	A range for practice and competition with targets located at specified known distances. CCF is derived from a design build out. SCF is based on a ratio from multiple range FACs.	\$8,737.84	\$190.05
1756*	Sniper Range	FP	A range for day and nighttime sniper training, as well as advanced rifle marksmanship training for selected personnel. The range may include various firing points including towers. CCF is derived from USACE data. SCF is derived from RS Means data.	\$115,145.04	\$938.51
1757*	Pistol Range	FP	A range for instructional firing of pistols and sub-machineguns, and for combat pistol qualification, and police qualification with pistols, shotguns, and sub-machineguns. CCF is derived from USACE data. SCF is derived from RS Means data.	\$2,886.47	\$171.19
1758*	Machinegun Range	FP	A range used to qualify gunners with machine guns and automatic weapons. The range may be augmented by adding light vehicle and bunker targets. CCF is derived from USACE data. SCF is derived from RS Means data.	\$49,446.43	\$331.99
1760*	General Purpose Direct Fire Range	FP	A training range for the firing of large weapons when there is line of sight from the weapon to the target. Weapons can include stationary tanks, artillery, antitank rockets, and grenade launchers.	\$0.00	\$0.00
1761*	Grenade Launcher Range	FP	A range to teach grenade launcher firing techniques, to qualify grenadiers, and to prepare grenadiers for combat situations. CCF is derived from USACE data. SCF is derived from RS Means data.	\$26,819.62	\$282.81
1762*	Grenade Machinegun Range	FP	A range to conduct qualification firing with the grenade machinegun. It can also be used to practice target observation and adjustment of fire, to practice machinegun traversing and searching, to develop speed during operation, and to obtain an accurate burst. This range can be used to train with the weapons on the ground or mounted on a vehicle. CCF is derived from USACE data. SCF is derived from data for FAC 8712.	\$245.62	\$21.98
1763*	Light Antiarmor Weapon Range	FP	A range to teach soldiers the skills needed to defeat armored vehicles with recoilless rifles or light antitank weapons using launch effects trainers, sub-caliber rockets, or small arms cartridges. CCF is derived from USACE data. SCF is derived from RS Means data.	\$482,842.87	\$1,908.47
1764*	Heavy Antiarmor Weapon Range	FP	A range to teach the techniques of engaging targets with medium and heavy anti-armor weapons (missiles). It is also used for field tracking and qualification exercises with tracking and launch effect trainers. CCF is derived from USACE data. SCF is derived from RS Means data.	\$2,508,953.05	\$10,833.12
1765*	Artillery Direct Fire Range	FP	A range to fire cannon artillery and other large caliber guns using high-explosive ammunition. Direct fire means the crew can see the target and fires as a point-to-point weapon. CCF is derived from USACE data. SCF is derived from RS Means data.	\$1,064,726.78	\$6,988.79
1766*	Tank Stationary Gunnery Range	FP	A range to train tank and fighting vehicle crews in the rapid engagement and destruction of targets during day and night exercises from a stationary vehicle. CCF is derived from USACE data. SCF is derived from RS Means data.	\$6,095,929.06	\$34,598.47
1767*	Indirect Fire Range	FP	A range to fire cannon artillery, rockets, mortar, and other indirect weapon systems using high-explosive ammunition. Indirect fire means the crew cannot see the target either because of terrain or distance.	\$0.00	\$0.00
1768*	Scaled Indirect Fire Range	FP	A scaled range to teach firing skills to the entire indirect fire team.	\$9,489.90	\$62.63
1769*	Scaled Gunnery Range	FP	A range to zero fighting vehicle and tank weapons. The range is also used to train crews to manipulate turret and gun controls, fire the main gun while tracking a moving target, interact with other crew members, react to fire commands, identify targets, and to bring the main gun quickly on target. CCF is derived from Army data. SCF is based on a ratio from FAC 1761.	\$40,228.30	\$422.40

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1771*	Armor Vehicle Crew Training Range	FP	Ranges specifically designed to satisfy training requirements for infantry and armor crews and teams to include gunnery from moving vehicles. These ranges are used to teach mechanized infantry and armor crews the skills needed to defeat stationary and moving targets in a tactical array. CCF is derived from USACE data. SCF is derived from RS Means data.	\$3,119,883.06	\$38,954.75
1772*	Armor Vehicle Unit Training Range	FP	Range complexes consist of ranges to accommodate tank and fighting vehicle firing exercises and tactical maneuver training for tanks, mechanized infantry small units. These ranges are used to teach mechanized infantry and armor units the skills needed to defeat stationary and moving targets in a tactical array. CCF is derived from USACE data. SCF is derived from RS Means data.	\$4,590,715.78	\$62,573.82
1773*	Fire and Movement Range	FP	A range used to teach individual and buddy-team movement and maneuver techniques while engaging targets with the rifle. CCF is derived from USACE data. SCF is derived from RS Means data.	\$109,688.18	\$2,022.32
1774*	Squad Defense Range	FP	A range used to train personnel to employ mutually supporting fires from defensive positions against attacking troops. CCF is derived from USACE data. SCF is derived from RS Means data.	\$178,946.74	\$4,029.65
1775*	Infantry Battle Course	FP	A range used by an infantry unit to practice movement-to-contact operations and hasty attack operations. The unit may fire the rifle, machine gun, automatic weapon, and light anti-tank weapon with sub-caliber devices. CCF is derived from USACE data. SCF is derived from RS Means data.	\$941,015.29	\$15,949.28
1776*	Urban Combat Training Range	FP	A facility for individual and low-level collective training using live fire or simulators. Live-fire facilities are constructed using materials which capture fragmentation or spalling objects from live ammunition/munitions sometimes typified, but not limited to the use of rubber tires to prevent ricocheted ammunition. CCF is derived from USACE data. SCF is derived from RS Means data.	\$381,703.52	\$11,443.78
1781*	Live Hand Grenade Range	FP	A range to familiarize with the effects of live hand grenades. CCF is derived from USACE data. SCF is derived from RS Means data.	\$19,213.78	\$723.68
1782*	Engineer Qualification Range	FP	A range used to qualify engineer individuals and units on tasks such as sapper, mine warfare, light demolition, and engineer weapon firing. CCF is derived from USACE data. SCF is derived from RS Means data.	\$266,008.28	\$10,028.51
1783*	Light Demolition and Flame Training Range	FP	A range to teach soldiers the techniques of firing flash weapons and flame-throwers at point and area targets, and employing improvised smoke and flame weapons and to train in the handling of explosives and pyrotechnics. CCF is derived from USACE data. SCF is derived from RS Means data.	\$1,812,165.17	\$8,646.59
1790	Miscellaneous Training Facility	EA	Various training facilities, other than buildings and ranges, that are not included in another Facility Analysis Category. CCF is derived from Army data. SCF is based on a ratio from FAC 7522.	\$73,403.95	\$1,886.48
1791	Aircraft Weapons Calibration Range	EA	Ranges used to bore sight, align, and zero all weapons systems on individual aircraft. Cost factors are based upon TC 25-8, fig. 6-27. CCF is derived from USACE data. SCF is derived using MicroPaver.	\$30,000.24	\$2,207.63
1792	Attack Helicopter Weapons Range	EA	Training ranges used for individual, crew, and unit helicopter gunnery exercises. It can handle the machinegun, grenade launcher, cannon, rocket, and antitank missile weapons systems. Cost factors are based upon TC 25-8, figure 6-36. CCF is derived from Army data. SCF is based on a ratio from FAC 1771.	\$1,104,760.10	\$13,809.50
1793	Aircraft Weapons Range	EA	Training ranges used by all services for the command, control, and attack of aircraft on ground targets. They include both close air support and aerial bombing activities.	\$0.00	\$0.00

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
1794*	Air Defense Range	FP	A training range for firing air defense weapons against targets in flight. Weapons can include either guns or missiles. CCF is derived from USACE data. SCF is derived from RS Means data.	\$131,822.52	\$6,945.64
1795	Fire And Rescue Training Facility	EA	A facility at which the various aspects of fire fighting and rescue can be trained and practiced. Cost factors are based upon the new FireFighter Training System (FFTS) that includes drainage system and retention pond. CCF is derived from USACE data. SCF is based on a ratio from FAC 7311.	\$1,048,512.00	\$21,704.20
1796	Urban Combat Training Area, Non-Fire	EA	Non-live fire training facilities used to train and sustain unit combat proficiency in an urban environment. Facilities may also be used by military and civil police forces for scenario-driven training in law enforcement and riot control operations. Cost factors are based upon a 16-building collective training facility, TC25-8, fig. 6-44. CCF is derived from USACE data. SCF is derived from RS Means data.	\$2,002,268.83	\$14,097.80
1797*	Hand Grenade Range, Non-Firing	EA	Ranges used for training soldiers in handling explosives and pyrotechnics, disposing explosive ordnance, firing flash weapons and flamethrowers at point and area targets, and employing improvised smoke and flame weapons. Cost factors are based upon standard design in TC25-8, fig. 6-22. CCF is derived from USACE data. SCF is based on a ratio from FAC 1761.	\$3,486.10	\$36.60
1798	Infiltration Course, Live Fire	EA	Infiltration courses are used for soldiers to practice maneuvering through various barbed wire and log obstacles while machine guns fire overhead. Cost factors are based upon the standard design in TC25-8, fig. 6-23. CCF is derived from USACE data. SCF is based on a ratio from FAC 1758.	\$76,924.13	\$515.39
1799	Confidence/Obstacle Course	EA	A facility at which individual service members and small teams can confront and overcome various obstacles in order to enhance physical fitness, confidence, and unit esprit. Cost factors are based upon standard designs in MIL-HDBK-1027/3B, figs. 10 & 11. CCF is derived from Army data. SCF is based on a ratio from FAC 1761.	\$37,519.91	\$393.96
2111	Aircraft Maintenance Hangar	SF	A facility providing space for aircraft maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 27,419 SF.	\$191.47	\$1.94
2112	Aircraft Maintenance Shop	SF	A facility designed to house aircraft and aircraft component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,664 SF.	\$147.95	\$1.93
2113	Aircraft Corrosion Control Hangar	SF	A facility designed to contain an aircraft during corrosion control operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,678 SF.	\$240.10	\$1.98
2114	Aircraft Engine Test Building	SF	A facility designed to test aircraft engines. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,710 SF.	\$141.70	\$3.02
2115	Aircraft Maintenance Hangar, Depot	SF	A facility designed to provide space for aircraft depot-level maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 71,067 SF.	\$191.47	\$1.57
2116	Aircraft Maintenance Shop, Depot	SF	A facility designed to house aircraft and aircraft component depot-level maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,140 SF.	\$147.95	\$2.30
2118	Aircraft Engine Test Facility	EA	A facility, other than a building, designed to test aircraft engines. Cost factors are based upon an average size of 13,000 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2114.	\$1,842,048.00	\$20,264.20

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
2121	Missile Maintenance/Assembly Building	SF	A facility in which guided missiles are assembled and/or maintained. CCF is derived from AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,718 SF.	\$241.08	\$2.59
2123	Missile/Launcher Maintenance Support Facility	SF	A facility that supports guided missile and launch equipment maintenance. CCF is derived from AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8646 SF.	\$155.52	\$2.51
2124	Missile Test Tower	EA	A facility for testing guided missiles. Cost factors are based upon a 250' high tower. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$186,063.15	\$3,595.45
2125	Missile Maintenance/Assembly Building, Depot	SF	A facility in which guided missiles are assembled and/or maintained at the depot level. CCF is derived from AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 20,337 SF.	\$241.08	\$2.21
2131	Ship Maintenance Dry-dock	SF	A facility into which a ship can be floated and the water removed, to allow for maintenance and repair of areas usually underwater. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	\$542.37	\$15.78
2132	Marine Railway	EA	A facility consisting of rollers on which a ship may be hauled out of the water along an inclined track. Cost factors are based upon a 100' long track, with rails 78.5" wide. Does not include the cost of the sled upon which the vessel is carried. CCF is derived from USACE data. SCF is based on a ratio from FAC 8601.	\$9,374.11	\$106.86
2133	Marine Maintenance Shop	SF	A facility designed to house ship component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,167 SF.	\$114.14	\$1.74
2134	Marine Maintenance Support Facility	SF	A facility designed to support ship component maintenance, repair, and inspection activities. CCF is derived from USACE and TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,670 SF.	\$97.24	\$2.18
2135	Landing Craft Wash Facility	EA	A washing facility for marine landing craft. Cost factors are based upon a facility with 16 stations and wash water recycling. CCF is derived from USACE data. SCF is based on a ratio from FAC 2141.	\$6,543,216.24	\$128,901.36
2136	Nuclear Repair Shop	SF	A facility for the maintenance and repair of nuclear/radioactive items. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,455 SF.	\$157.44	\$2.36
2137	Fixed Crane Structure	EA	A facility with a movable boom to hoist heavy objects for ship repair and maintenance activities. CCF is derived from data from all the Services. SCF is derived using Navy data.	\$3,895,504.83	\$78,310.00
2141	Vehicle Maintenance Shop	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,500 SF.	\$145.05	\$2.86
2142	Vehicle Maintenance Shop, Depot	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 22,831 SF.	\$145.05	\$1.92
2143	Vehicle Maintenance Shop, National Guard	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of National Guard units. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,898 SF.	\$141.70	\$3.47
2144	Vehicle Maintenance Shop, Reserve	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,161 SF.	\$141.70	\$3.39

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
2145	Vehicle Maintenance Facility	EA	A facility, other than a building, designed to support land vehicle and vehicle component maintenance, repair, and inspection activities. Cost factors based on an average-sized grease/wash rack of 1,626 SF. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,626 SF.	\$63,643.75	\$1,390.60
2146	Launch Vehicle Test Facility	EA	A facility, other than a building, designed to support missile launch vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 2123.	\$48,915.90	\$787.55
2151	Weapon Maintenance Shop	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,315 SF.	\$114.14	\$2.43
2152	Weapon Maintenance Shop, Depot	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,846 SF.	\$125.40	\$2.22
2153	Special Weapon Maintenance Shop	SF	A facility designed to house special weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,834 SF.	\$192.27	\$2.41
2154	Weapon Maintenance Facility, Depot	SF	A facility, other than a building, designed to support weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,908 SF.	\$125.40	\$3.15
2161	Ammunition Maintenance Shop	SF	A facility designed to house ammunition maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,792 SF.	\$129.89	\$2.72
2162	Ammunition Maintenance Shop, Depot	SF	A facility designed to house ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,212 SF.	\$129.89	\$3.02
2163	Ammunition Maintenance Facility, Depot	SF	A facility, other than a building, designed to support ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,679 SF.	\$129.89	\$3.83
2171	Electronic and Communication Maintenance Shop	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,721 SF.	\$142.68	\$2.49
2172	Electronic and Communication Maintenance Shop, Depot	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,018 SF.	\$142.68	\$1.90
2173	Electronic and Communication Maintenance Facility	EA	A facility, other than a building, designed to support electronic and communication equipment maintenance, repair, and inspection activities. Cost factors based on an average size of 5,500 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2171.	\$784,740.00	\$13,732.95
2181	Installation Support Vehicle Maintenance Shop	SF	A facility designed to house installation support vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,575 SF.	\$140.22	\$2.88
2182	Installation Support Equipment Maintenance Shop	SF	A facility designed to house installation support equipment maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,202 SF.	\$110.24	\$2.43

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
2191	Facility Engineer Maintenance Shop	SF	A facility designed to house installation engineer support vehicle and equipment maintenance, repair, and inspection activities. CCF is derived from Triservice data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,031 SF.	\$110.24	\$3.35
2192	Facility Engineer Maintenance Facility	EA	A facility, other than a building, designed to support installation engineer support vehicle and equipment maintenance, repair, and inspection activities. Cost factors based on a standard planning size of 31,000 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2112.	\$564,377.58	\$7,336.91
2211	Aircraft Production Plant	SF	A facility for the production, quality assurance, and calibration of aircraft and aircraft components. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 106,271 SF.	\$148.47	\$1.71
2221	Missile Production Plant	SF	A facility for the production, quality assurance, and calibration of missiles and missile components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,320 SF.	\$165.50	\$2.49
2231	Ship Production Plant	SF	A facility for the production, quality assurance, and calibration of ships and ship components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,381 SF.	\$96.70	\$2.34
2232	Ship Building Way	TN	An area for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	\$1,012.86	\$29.47
2233	Ship Building Dry-dock	SF	A structure for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	\$542.37	\$15.78
2241	Tank/Automotive Production Plant	SF	A facility for the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 71,355 SF.	\$86.25	\$2.04
2242	Tank/Automotive Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.	\$86.25	\$2.04
2251	Weapon Production Plant	SF	A facility for the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 67,274 SF.	\$86.25	\$2.01
2252	Weapon Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.	\$86.25	\$2.01
2261	Ammunition Production Plant	SF	A facility for the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,285 SF.	\$146.62	\$3.47
2262	Ammunition Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,541 SF.	\$146.62	\$2.58
2263	Powder - Tank Storage	BL	A tank for the storage of ammunition powder or flakes. CCF is derived from Marshall & Swift data. SCF is based on ratios from FACs 4111; 4121 & 4426.	\$2.01	\$0.10
2264	Ammunition Demilitarization Plant	SF	A facility for the demilitarization of ammunition to a harmless condition.	\$861.98	\$8.58
2265	Ammunition Demilitarization Facility	EA	A facility, other than a building, that supports the demilitarization of ammunition to a harmless condition. CCF is derived from USACE data. SCF is based on a ratio from FAC 2264.	\$2,673,874.37	\$26,738.74

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
2271	Electronic and Communication Production Plant	SF	A facility for the production, quality assurance, and calibration of electronic and communication equipment and components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 50,759 SF.	\$139.76	\$2.06
2281	Miscellaneous Support Production Plant	SF	A facility for the production of miscellaneous items that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,620 SF.	\$152.52	\$3.31
2291	Construction Material Production Plant	EA	A facility for the production of construction materials for the installation. Cost factors are based upon a 250-TN/Hr commercial production plant. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 2261.	\$1,378,839.00	\$32,678.48
3101	RDT&E Laboratory	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,136 SF.	\$187.94	\$2.57
3102	Medical Research Laboratory	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities for medical research. CCF is derived from Army data. SCF is derived using the Whitestone MARS.	\$249.75	\$3.96
3111	Aircraft RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of airframes and other related assemblies, spares, and aircraft equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,455 SF.	\$187.94	\$2.27
3121	Missile and Space RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of missiles, missile systems, related ground handling and launching equipment, and other aerospace equipment. CCF is derived from AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,200 SF.	\$250.92	\$2.96
3131	Ship and Marine RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of ships and marine equipment, and amphibious vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 25,350 SF.	\$129.46	\$2.42
3141	Tank and Automotive RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of tank and other automotive equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,142 SF.	\$143.66	\$2.53
3151	Weapons RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of weapons and weapon systems. Does not include missile-related research under Facility Analysis Category 3121. CCF is derived from AFCEA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,276 SF.	\$250.92	\$2.93
3161	Ammunition, Explosive, and Toxic RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of ammunition, explosives, and toxic materials. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,411 SF.	\$187.94	\$3.78
3171	Electronic and Communication RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of electronic and communication equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,384 SF.	\$187.94	\$2.55
3181	Propulsion RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of propulsion hardware and propellant fuels. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,024 SF.	\$187.94	\$2.85
3191	Miscellaneous Item and Equipment RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of miscellaneous items of equipment, such as clothing, survival equipment, and military engineering equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,072 SF.	\$143.66	\$3.12

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
3201	Underwater Equipment RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of underwater equipment. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,795 SF.	\$173.97	\$2.95
3211	RDT&E Technical Service Facility	SF	Buildings used in the manufacturing of models, prototypes, and other items used in direct research, development, testing, and evaluation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,184 SF.	\$124.97	\$2.47
3711	RDT&E Range Building	SF	A building on a firing range used for direct research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,868 SF.	\$107.26	\$2.15
3712	RDT&E Range Facility	EA	A firing range facility used for direct research, development, testing, and evaluation activities. Cost factors are based upon an average-size facility of 1,868 SF. D241	\$200,354.21	\$4,016.20
3713	RDT&E Range Complex	EA	A firing range complex used for direct research, development, testing, and evaluation activities. CCF is derived from Air Force data. SCF is derived from Air Force data.	\$542,369.71	\$14,838.76
3901	Miscellaneous RDT&E Facility	EA	Scientific structures and facilities, other than buildings, used for direct research, development, testing, and evaluation activities that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the Whitestone MARS data from FAC 3711.	\$200,354.21	\$4,016.20
3902	RDT&E Area	AC	An open area used for direct research, development, testing, and evaluation activities.	\$0.00	\$0.00
3903	Aerodynamic wind tunnel	EA	A facility for testing materials and aircraft models in a supersonic or transonic environment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,102 SF. CCF is derived from Air Force data. SCF is based on a ratio from FAC 3121.	\$513,125,192	\$5,959,525.86
3904	Propulsion engine test cell	EA	A facility for testing components of solid rocket motors or liquid fuel engines under operational conditions. CCF is derived from Air Force data. SCF is based on a ratio from FAC 3181.	\$39,339,364.55	\$597,958.34
4111	Bulk Liquid Fuel Storage	BL	A facility for the storage of bulk liquid fuels. CCF is derived from USACE data. SCF is derived from RS Means data.	\$53.05	\$3.23
4121	Bulk Liquid Storage, Other Than Fuel	GA	A facility for the storage of bulk liquids, other than fuels. CCF is derived from USACE data. SCF is derived from RS Means data.	\$1.76	\$0.08
4122	Liquid Oxygen Storage	SF	A facility for the storage of liquid oxygen. CCF is derived from Air Force data. SCF is based on a ratio from FAC 4422.	\$95.62	\$1.03
4211	Ammunition Storage, Depot and Arsenal	SF	A facility for the storage of ammunition at depots and arsenals. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,657 SF.	\$203.07	\$1.79
4221	Ammunition Storage, Installation	SF	A facility for storing ammunition for use by units and activities located at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,083 SF.	\$203.07	\$2.20
4231	Liquid Propellant Storage, Ammunition Related	GA	A facility for the bulk storage of ammunition related propellants. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	\$1.26	\$0.08
4241	Battery Storage, Weapon Related	SF	A facility for the storage of ammunition-related batteries. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,488 SF.	\$154.72	\$4.60
4251	Open Ammunition Storage	SY	Open areas used for the storage of ammunition. CCF is derived from USACE data. SCF is derived using the RS Means data.	\$44.28	\$1.04
4311	Cold Storage, Depot	SF	A facility for cooling and storage of materials at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,266 SF.	\$154.72	\$2.52

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
4321	Cold Storage, Installation	SF	A facility for cooling and storage of materials to be used at the installation level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,608 SF.	\$154.72	\$3.13
4411	Covered Storage Building, Depot	SF	A facility for depot-level storage of materials that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,662 SF.	\$79.29	\$1.71
4412	Covered Storage Shed, Depot	SF	A facility for depot-level storage of materials that require overhead protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,968 SF.	\$30.50	\$0.95
4413	Hazardous Materials Storage, Depot	SF	A facility for the storage of hazardous materials at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,353 SF.	\$119.06	\$3.18
4414	Controlled Humidity Storage, Depot	SF	A facility for storage of materials at a controlled humidity at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,932 SF.	\$70.85	\$1.77
4421	Covered Storage Building, Installation	SF	A facility for storage of materials that require protection from the elements, to be used by units and activities at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,038 SF.	\$69.62	\$1.84
4422	Covered Storage Shed, Installation	SF	A facility for storage of materials that require overhead protection from the elements, to be used by units and activities at the installation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,221 SF.	\$30.50	\$1.03
4423	Hazardous Materials Storage, Installation	SF	A facility for the storage of hazardous materials at the installation level. D266	\$119.06	\$4.88
4424	Controlled Humidity Storage, Installation	SF	A facility for storage of materials at a controlled humidity to be used at the installation level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,127 SF.	\$70.85	\$1.75
4425	Vehicle Storage, Covered	SF	A facility for the long-term storage of vehicles that require protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,482 SF.	\$60.02	\$0.77
4426	Storage Silo, Loose Material	SF	A facility for storage of loose material such as sand or road salt. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 4412.	\$22.59	\$0.95
4427	Small Arms Storage, Installation	SF	A central arms storage facility to be used to store small arms from several units or activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,501 SF.	\$203.07	\$3.06
4511	Open Storage, Depot	SY	An open storage area to be used for depot-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.	\$44.28	\$0.16
4521	Open Storage, Installation	SY	An open storage area to be used for installation-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.	\$44.28	\$0.16
5100	Medical Center/Hospital	SF	A facility that provides general and specialized medical care for authorized personnel, with both inpatient and outpatient services. Pharmacy, clinic, ambulance, and administrative space within the hospital are included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on a size of 367,838 SF.	\$236.92	\$5.09
5302	Medical Laboratory	SF	A facility, detached from a hospital, that provides laboratory support to the hospital and/or other medical activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	\$187.94	\$4.98

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
5303	Morgue	SF	A facility, either detached or within a hospital, for the identification, preparation, and holding of human remains. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,712 SF.	\$192.43	\$5.61
5304	Veterinary Facility	SF	A facility for administrative and operational functions of veterinary activities assigned to the installation. These can include animal medical care, control of communicable animal diseases, animal boarding, and food inspection. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	\$192.43	\$2.91
5306	Medical Warehouse	SF	A storage facility for medical equipment and supplies that are continuously withdrawn and replenished. Storage of war reserve medical supplies is included in depot storage facilities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	\$72.82	\$1.55
5307	Ambulance Shelter	SF	A detached facility to protect ambulances from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	\$63.96	\$0.75
5400	Dental Facility	SF	A facility that provides routine and specialized dental treatment to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	\$201.14	\$3.82
5500	Dispensary And Clinic	SF	A detached facility that provides routine and emergency care to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	\$187.60	\$3.43
6100	General Administrative Building	SF	A building containing general office space as well as space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,640 SF.	\$135.38	\$2.39
6101	Small Unit Headquarters Building	SF	A building that contains the command and staff sections of a company or battery headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,627 SF.	\$143.12	\$3.42
6102	Large Unit Headquarters Building	SF	A building that contains the command and staff sections of a battalion, squadron, regiment, group, or brigade headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,602 SF.	\$147.95	\$3.84
6103	Printing And Reproduction Plant	SF	A facility designed to provide installation document printing and reproduction support. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,158 SF.	\$83.17	\$3.06
6104	Automated Data Processing Center	SF	A building or part of a building that contains the equipment and functions of automated data processing. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,044 SF.	\$178.90	\$2.80
6200	Administrative Structure, Underground	SF	An underground facility containing general office space as well as that space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,900 SF.	\$174.17	\$2.35
6900	Administrative Structure, Other Than Buildings	EA	Miscellaneous administrative structures such as flagpoles, billboards, reviewing stands, and information stands. CCF is derived from RS Means data. SCF is based on a ratio from FAC 6100.	\$5,741.36	\$129.18

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7110	Family Housing Dwelling	SF	A dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,425 SF, which represents a 2-family duplex.	\$69.14	\$1.74
7120	Family Housing Trailer/Relocatable	FA	A trailer or relocatable dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from RS Means data. SCF is based on a ratio from FAC 7110.	\$39,487.83	\$347.49
7130	Family Housing Trailer Site	FA	Pads or sites with associated utilities provided for privately or government owned trailers and mobile homes. CCF is derived from USACE data. SCF is derived from RS Means data.	\$3,985.20	\$104.00
7141	Family Housing Garage/Carport	SF	Detached facilities for the storage of personal vehicles for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 736 SF.	\$31.60	\$0.77
7142	Family Housing Storage Facility	SF	Detached facilities for the storage of personal items for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 231 SF.	\$35.42	\$0.58
7143	Miscellaneous Family Housing Support Facility	SF	Those family housing support facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 897 SF.	\$135.38	\$2.18
7145	Trailer Court Support Facility	SF	A facility that supports family housing trailer operations. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 150 SF.	\$89.90	\$1.44
7146	Family Housing Attendant Facility	SF	A facility that houses and supports family housing attendants. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,334 SF.	\$72.38	\$4.25
7210	Enlisted Unaccompanied Personnel Housing	SF	A facility designed to provide permanent housing for unaccompanied enlisted personnel and civilian equivalents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,157 SF.	\$145.05	\$3.88
7212	Enlisted Unaccompanied Personnel Housing, Transient	SF	A facility that provides lodging to meet short term housing requirements for unaccompanied enlisted personnel and civilian employees on temporary duty or traveling on official business. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,403 SF.	\$145.05	\$4.24
7213	Student Barracks	SF	Transient unaccompanied personnel housing for students. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 21,947 SF.	\$145.05	\$3.62
7214	Annual Training/Mobilization Barracks	SF	A facility that houses unaccompanied personnel during reserve component annual training or during mobilizations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,407 SF.	\$131.86	\$2.43
7218	Recruit/Trainee Barracks	SF	A facility for housing recruits and/or trainees. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 40,000 SF.	\$131.86	\$4.99
7220	Dining Facility	SF	A facility, with cafeteria style dining operations, for unaccompanied personnel and other authorized persons. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,130 SF.	\$231.11	\$5.12
7231	Miscellaneous UPH Support Building	SF	Buildings associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. CCF is derived from USACE and RS Means data. SCF is derived using the Whitestone MARS.	\$73.95	\$1.41

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7232	Unaccompanied Personnel Housing Garage/Carport	SF	Detached facilities to store and protect the private vehicles of unaccompanied personnel. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	\$31.60	\$0.77
7233	Dining Support Facility	SF	A separate facility that provides support to dining facility operations. CCF is derived from Air Force and Navy data. SCF is derived using the Whitestone MARS data for FAC 7220.	\$175.97	\$5.12
7234	Latrine/Shower Facility	SF	A detached facility to provide latrine and/or shower support to unaccompanied personnel housing. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 504 SF.	\$144.32	\$3.50
7235	Miscellaneous UPH Support Facility	EA	A facility, other than a building, associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. Cost factors are based upon a facility 66.7 SY in area with associated piping. CCF is derived from USACE and RS Means data. SCF is derived MicroPaver.	\$3,436.93	\$52.88
7240	Officer Unaccompanied Personnel Housing	SF	A facility that provides permanent lodging for unaccompanied officers, warrant officers, and authorized civilian employees. D310	\$145.05	\$5.29
7241	Officer UPH, Transient	SF	A facility that provides short-term, temporary lodging for unaccompanied officers, warrant officers, and authorized civilian employees. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 13,663 SF.	\$136.35	\$4.66
7250	Emergency Unaccompanied Personnel Housing	SF	A facility such as hutments and tent pads, that can be used for emergency housing during training, mobilization, deployments, and natural disasters. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,376 SF.	\$29.88	\$1.43
7251*	EUPH Tent Pad	SF	Tent pads, which can be used for erecting tents for emergency housing during training, mobilization, deployments, and natural disasters. Cost factors are based on the area of a GP Medium tent. CCF is derived from USACE data. SCF is derived from RS Means data.	\$4.55	\$0.12
7311	Fire Station Facility	SF	A building containing the personnel and equipment that provides fire and rescue support to the installation. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,278 SF.	\$154.72	\$3.20
7312	Prison/Confinement Facility	SF	A facility to house and secure service members during pre-trial confinement, post-trial confinement, and for the duration of sentences. Although not normally housed in the same facility, prisoners can include officers, enlisted personnel, and prisoners of war. Functional space includes sleeping space, administrative areas, dining areas, recreational and educational areas, vocational areas, and health clinics. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,131 SF.	\$203.64	\$5.40
7313	Police Station	SF	A facility designed to be the law enforcement center on the installation. Includes space for the police reception desk, working space for police personnel, confinement space for prisoners, and an arms room. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,857 SF.	\$142.68	\$4.81
7314	Drug and Alcohol Abuse Center	SF	A facility for counseling personnel suffering from drug or alcohol abuse. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,812 SF.	\$142.68	\$3.41
7321	Bread/Pastry Kitchen	SF	A centralized food service facility that provides fresh breads and pastries to the installation. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,187 SF.	\$195.46	\$3.38

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7322	Ice/Dairy Products Plant	SF	A central plant that produces or processes ice or milk products for the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,997 SF.	\$116.04	\$5.35
7323	Greenhouse	SF	A facility with glass walls and roof in which temperature and humidity can be regulated for the growing and protection of plants. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,165 SF.	\$38.68	\$0.74
7331	Exchange Eating Facility	SF	A facility that provides either self-service or counter service. These facilities are operated by/for the exchange system and include fast-food concessions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,019 SF.	\$161.38	\$5.86
7332	Non-Exchange Eating Facility	SF	Eating facilities not managed by the exchange system that provide food and beverages, served to personnel by operators who are not associated with the exchange. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,296 SF.	\$231.11	\$4.68
7333	Open Mess and Club Facility	SF	Open dining facilities include officer, noncommissioned officer, enlisted and civilian clubs, that provide dining, social programs and entertainment services for the membership. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,349 SF.	\$195.82	\$5.39
7340	Thrift Shop	SF	Thrift shops are nonprofit facilities for the sale and purchase of used goods and handmade items. Volunteer family members normally operate these facilities on a consignment basis. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,017 SF.	\$105.29	\$3.11
7341	Bus Station	SF	A facility for personnel to purchase tickets and await bus service. This does not include a simple enclosed bus stop that is under Facility Analysis Category 7384. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,000 SF.	\$94.96	\$2.68
7342	Laundry/Dry Cleaning Facility	SF	Laundry and dry cleaning facilities provide large-scale laundry and/or dry cleaning operations at most installations or are used at installations for washing protective gear and operators clothing for industrial operations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,487 SF.	\$158.42	\$3.74
7343	Clothing Sales Store	SF	A facility for the sales of military clothing and personal equipment. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.	\$105.40	\$2.69
7344	Postal Facility	SF	A facility that houses United States Postal Service operations. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,485 SF.	\$97.31	\$3.28
7345	Exchange Automobile Facility	SF	A facility that provides space for gasoline dispensing islands, minor automotive repair, and vehicle washing at facilities operated by the exchange system. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,320 SF.	\$97.36	\$2.89
7346	Exchange Sales Facility	SF	A facility that provide space for stock area, sales area, office space, toilets and entrance facilities for the exchange and other related activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,508 SF.	\$105.40	\$3.00
7347	Bank and Credit Union	SF	A facility that provides the following essential services: checking and savings accounts, loans, foreign currency sales, etc. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,300 SF.	\$127.92	\$3.28
7348	Car Wash Facility	SF	A facility for the washing of privately owned vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 7345.	\$190.49	\$2.89

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7349	Commissary	SF	A facility for the retail sale of supermarket products to authorized customers. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,000 SF.	\$131.51	\$2.24
7351	Education Center	SF	A facility that provides space for classrooms, administrative offices, a learning center, educational counseling and testing facilities for the on- and off-duty education of authorized patrons. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,585 SF.	\$154.72	\$2.95
7352	Dependent School	SF	Dependent schools provide educational facilities on military installations for kindergarten through grade 12. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,854 SF.	\$138.60	\$3.68
7353	Dependent School Support Facility	SF	A facility that supports dependent school functions. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,824 SF.	\$141.50	\$4.09
7361	Chapel Facility	SF	A facility that provides space for religious services in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,815 SF.	\$165.36	\$2.80
7362	Religious Education Facility	SF	A facility that provides space for religious education, activities, family counseling, and community based activities in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,823 SF.	\$154.72	\$3.54
7371	Nursery and Child Care Facility	SF	A facility for the care and education of infants thru pre-school age children and for school aged children less than 12 years of age before and after normal public school hours. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,367 SF.	\$160.52	\$2.56
7372	Family Service Center	SF	A facility to provide a responsive source of information, guidance, and assistance in solving problems of a personal nature to military personnel and their dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,983 SF.	\$147.95	\$3.35
7380	Homeless Support Facility	SF	A facility that is being provided for housing homeless persons or to assist agencies that provide support to the homeless.	\$0.00	\$0.00
7381	Forestry Guard Station	SF	A facility for observation of a forested area in order to protect against fires. Station includes observation tower and housing for the forester and family. CCF is derived from USACE data. SCF is derived using the Whitestone MARS from FAC 7142.	\$188.93	\$0.58
7382	Locker Room	SF	A facility that provides locker space for the belongings of military personnel who must vacate their quarters for extended periods. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,513 SF.	\$144.32	\$2.50
7383	Air Raid/Fallout Shelter	SF	An enclosed, reinforced facility, generally within or beneath an existing building, that provides protection against air attack and/or nuclear fallout. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,013 SF.	\$174.17	\$3.97
7384	Miscellaneous Personnel Shelter	SF	A facility to protect personnel from the elements, such as bus stops or smoking shelters. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data for FAC 7142.	\$44.15	\$0.58
7385	Public Restroom/Shower	SF	A public toilet and/or shower facility. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 674 SF.	\$158.42	\$2.78

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7386	Ceremonial Hall	SF	A facility for the indoor conduct of ceremonies during inclement weather. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,326 SF.	\$79.29	\$1.95
7387	Exchange Support Facility	SF	Administrative or maintenance facilities that support exchange operations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,893 SF.	\$105.29	\$2.92
7388	Exchange Warehouse	SF	Storage facilities that support exchange operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,666 SF.	\$74.46	\$1.88
7389	Private Vehicle Inspection Facility	SF	A facility for the official inspection of privately-owned vehicles for safety and proper maintenance. These facilities are usually located outside of the US and are intended to comply with host nation regulations and/or Status of Forces Agreements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,075 SF.	\$69.62	\$1.49
7411	Hobby And Craft Center	SF	A facility that provide space for administration, drawing and art studio, storage, photo dark room, audio/photo sales area, separate areas for individual crafts and arts, and kiln area for ceramics. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,068 SF.	\$147.95	\$3.47
7412	Automobile Craft Center	SF	A facility that provide space for auto bays, administration, classroom, tool storage and checkout, break area and lavatories. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.	\$114.14	\$2.00
7413	Golf Club House and Sales	SF	A facility designed to support golf courses on the installation. Space may include equipment storage and maintenance areas, locker rooms, clothing and equipment sales area, and an area for sales of food and beverages. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,602 SF.	\$131.86	\$4.00
7414	Club and Organization Building	SF	A facility for use by active duty military personnel, authorized civilians, and their family members for private organization/club meetings and activities that are not affiliated with the US government. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,362 SF.	\$220.48	\$3.85
7415	Bowling Center	SF	A facility that include space for bowling lanes, equipment and storage space, amusement machine area, pro shop, food and beverage preparation area, serving and seating area, administrative space, concourse, seating for bowlers and observers, lockers, and restrooms. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,071 SF.	\$155.69	\$3.40
7416	Library, General Use	SF	A facility with bookshelf space, administrative offices, restrooms, reading area, and music appreciation area for the general use of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,963 SF.	\$154.72	\$3.43
7417	Recreation Center	SF	A facility provided for the recreation and entertainment of the personnel on an installation and their guests to include space for an administrative area, recreation area, toilet and personnel area, food service and sales area, and equipment check-out. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,339 SF.	\$147.95	\$3.80
7418	Indoor Skating Rink	SF	An indoor facility designed for year round ice- and/or roller-skating. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,694 SF.	\$116.65	\$1.91

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7421	Indoor Physical Fitness Facility	SF	Fitness facilities may include a gymnasium, athletic courts, work out areas, weight rooms, showers, locker rooms, indoor hand ball courts, administrative space, and storage space. Indoor swimming pools are not included, but are captured under FAC 7422. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,714 SF.	\$155.69	\$3.29
7422	Indoor Swimming Pool	SF	An enclosed swimming pool designed for year-round use. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,555 SF.	\$156.46	\$3.45
7431	Auditorium and Theater Facility	SF	Auditoriums and theaters provide space for administrative areas, seating and viewing, film projection and storage, live performances, concession stand, toilets, lobby and ticket sales. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,275 SF.	\$130.87	\$2.08
7441*	Transient Lodging	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests in connection with official travel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS data from FAC 7442.	\$136.38	\$4.87
7442*	Recreational Lodging	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,053 SF.	\$136.38	\$2.75
7443	Transient And Recreational Lodging Support Facility	SF	A facility for the support of short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities or in connection with official travel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 929 SF.	\$110.77	\$1.17
7444	Stable	SF	A facility for the boarding of horses, both privately owned and those available for rental. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data from FAC 4425.	\$37.83	\$0.77
7445*	Boathouse	SF	A facility for the storage and maintenance of small boats and canoes. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS data from FAC 4425.	\$23.98	\$0.77
7446*	Miscellaneous MWR Facility	SF	Those indoor morale, recreation, and welfare facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,815 SF.	\$106.03	\$2.58
7447*	Miscellaneous MWR Support	SF	Those indoor facilities that support morale, recreation, and welfare activities that are not included in another Facility Analysis Category. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,377 SF.	\$71.13	\$3.32
7511	Playground	EA	Playgrounds are outdoor areas set aside for recreation near family housing, schools, recreational areas, or child support service centers. They provide for the outdoor recreational needs of children. Cost factors are based upon an average size of 6,000 SF. CCF is derived from USACE data. SCF is derived using FCPA data.	\$177,120.00	\$3,013.82
7512	Outdoor Swimming Pool	EA	Outdoor swimming pools are intended for the recreational use of installation personnel and for water training. Cost factors are based upon a 50-meter pool with change house. CCF is derived from USACE data. SCF is based on a ratio from multiple applicable FACs.	\$1,355,952.00	\$11,932.38
7513	Golf Course	EA	Golf courses are grassy, turfed tracts of land with tees, fairways, hazards and greens for the purpose of playing golf. Cost factors are based upon an 18-hole golf course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	\$3,226,275.59	\$82,915.28
7514	Golf Driving Range	EA	A facility for practicing driving golf balls. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	\$575,570.31	\$9,660.06

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
7515	Golf Pitch and Putt Course	EA	A smaller version of a regulation golf course, where the distance from tee to hole is normally less than 200 yards. Cost factors are based upon a 9 hole, Par 3, Pitch & Putt course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	\$1,613,137.74	\$41,577.99
7516	Outdoor Recreation Area	EA	An area for outdoor recreational and/or mealtime activities. The area may include picnic tables, barbecue grills, and space for recreational activities. Cost factors are based upon an area consisting of 6 picnic tables, 3 grills. CCF is derived from FCPA data. SCF is derived from FCPA data.	\$12,903.27	\$802.70
7517	Recreational Pier	EA	A platform constructed along or over a body of water, from which wildlife can be observed, recreational boats can be tied or launched, or fishing can take place. Cost factors are based upon medium construction of a small jetty equivalent structure, less than 120 SF. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 7512.	\$3,943.96	\$34.71
7518	Marina	EA	A facility for berthing pleasure craft. Cost factors are based upon an average size of 150 -200 slips. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 7512.	\$944,312.25	\$8,309.95
7521	Outdoor Playing Court	EA	Court areas are outdoor athletic and recreational courts consisting of prepared surfaces marked for tennis, basketball, volleyball, and badminton. CCF is derived from Marshall & Swift data. SCF is derived from FCPA data.	\$34,703.17	\$1,465.26
7522	Athletic Field	EA	Baseball, softball, and multipurpose fields for such sports as football and soccer. CCF is derived from USACE data. SCF is derived from FCPA data.	\$183,309.36	\$4,709.67
7523	Running Track	EA	Running tracks are prepared surfaces, usually oval in shape, for field and track events. The track often surrounds a football/soccer field. Cost factors based on an oval track, 1/2 mile in length, 12' wide. CCF is derived from USACE and FCPA data. SCF is derived from FCPA data.	\$119,226.22	\$2,709.94
7524	Stadium	EA	A sports arena, usually oval or horseshoe-shaped, with tiers of seats for spectators. Interior sports area usually contains a field for football, soccer, baseball, softball, or track and field events. CCF is derived from FCPA data. SCF is derived from FCPA data.	\$2,713,162.47	\$48,414.91
7531	Pavilion	SF	A facility that supports outdoor recreation areas such as parks, playgrounds, picnic areas, bleachers, etc. by providing an overhead cover to protect personnel and equipment from the elements. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7141.	\$56.93	\$0.77
7532	Outdoor Theater	EA	An outdoor facility to accommodate cultural events such as plays, concerts, and festivals. CCF is derived from RS Means data. SCF is derived from Whitestone data.	\$399,001.09	\$7,308.00
7541	Recreational Camp and Trailer Park	EA	Trailer parking sites/pads or tent pads, with associated site facilities, for recreational trailers, vehicles, or tents. Cost factors are based upon an area providing 100 camping sites. CCF is derived from the National Association of RV Parks and Campgrounds data. SCF is based on a ratio from FAC 7532.	\$231,162.68	\$4,230.28
7542	Miscellaneous Outdoor Recreation Facility	EA	Outdoor recreational facilities not included in another Facility Analysis Category. CCF is derived from FCPA and RS Means data. SCF is based on a ratio of multiple FACs.	\$66,721.51	\$1,371.44
7543	Wildlife Management Area	AC	An area set aside to provide for wildlife habitat and limited sporting activities.	\$0.00	\$0.00
7601	Museum	SF	A facility for preserving history and tradition, through education oriented exhibits and programs. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,821 SF.	\$166.03	\$3.23
7602	Monument and Memorial	EA	Items such as commemorative plaques, military equipment displays, statues, and the like. CCF is derived from data provided by all the Services. SCF is based on a ratio from FAC 8721.	\$4,396.59	\$60.67
7603	Cemetery	EA	Those areas set aside, on a government-owned installation, for burial of the dead.	\$0.00	\$0.00
8111	Electrical Power Source	KW	A plant for the generation of electrical power. CCF is derived from USACE data. SCF is derived from RS Means data.	\$1,007.62	\$23.04

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
8112	Stand-By/Emergency Power	KW	Stand-by electrical generation to provide power to specific facilities, units, and functions in the event that there is an interruption in normal power. CCF is derived from USACE data. SCF is derived from RS Means data.	\$4,580.52	\$23.04
8121	Electrical Power Distribution Line	LF	The lines for the transmission of electrical power between source, substations and switching stations, and end users. CCF is derived from USACE data. SCF is derived from the Rural Utility Service (USDA) data.	\$30.97	\$0.21
8122	Exterior lighting lines	LF	Outdoor lighting lines such as street lights and perimeter lights. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$10.75	\$2.07
8131	Electrical Power Substation and Switching	KV	Equipment for changing the voltage or frequency of electrical power or to distribute power from a main line to several branch lines. CCF is derived from USACE data. SCF is derived from RS Means data.	\$65.30	\$2.09
8211	Heat Source	MB	A central plant for the production of heat for one or more separate facilities. CCF is derived from USACE data. SCF is derived from Whitestone data.	\$67,581.11	\$486.76
8221	Heat Distribution Line	LF	A pipeline for the transmission of hot water or steam between a central heating plant and the facilities to be heated. CCF is derived from USACE data. SCF is derived from Whitestone data.	\$190.62	\$1.41
8231	Heat Gas Production Plant	MB	A plant for the production of gas to be used directly in heat production. CCF is derived from USACE data. SCF is derived from Energy News data.	\$3,528.47	\$5.97
8232	Heat Gas Storage	EA	A plant for the storage of gas to be used directly in heat production. Cost factors are based upon a capacity size of 12,000 GA. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$31,280.85	\$50.96
8241	Heat Gas Distribution Line	LF	A pipeline for the transmission of gas to be used directly in heat production. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$73.89	\$0.16
8261	Refrigeration and Air Conditioning Source	TR	A central plant for the production of cooling or air conditioning. CCF is derived from USACE data. SCF is derived from RS Means data.	\$3,146.83	\$19.31
8271	Chilled Water and Refrigerant Distribution Line	LF	Pipelines for the transport of water or other coolants between a central cooling plant and the facilities to be cooled. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$40.81	\$2.97
8311	Sewage Treatment	KG	A facility for the treatment of sewage to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.	\$4,372.36	\$42.53
8312	Industrial Waste Treatment	KG	A facility for the treatment of industrial waste to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.	\$4,372.36	\$42.53
8313	Water Separation Facility	KG	A facility for the separation of grease, oil, or grit from wastewater. CCF is derived from data from all the Services. SCF is derived from RS Means data.	\$86.17	\$0.45
8314	Septic Tank, Drain Field, and Lagoon	KG	A facility to hold wastewater during the process of contaminants settling-out or the process of ground filtration. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8313.	\$5,194.35	\$27.02
8321	Sewer and Industrial Waste Line	LF	A pipeline for the transport of sewage or industrial waste between the source, holding facilities, and/or treatment facilities. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	\$50.07	\$0.06
8331	Refuse Collection and Recycling Facility	EA	A facility for the collection of refuse or recyclable materials before they are processed for disposal or recycling. Cost factors are based upon an average-size facility of 5,000 SF. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 4412.	\$201,485.50	\$4,750.00

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
8332	Incinerator	TH	A facility to burn combustible wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8331.	\$5,343.79	\$126.11
8333	Sanitary Landfill	AC	A site used for the disposal of solid waste material, other than hazardous waste. CCF is derived from FCSWA data. SCF is derived from FCSWA data.	\$522,992.50	\$5,224.77
8334	Hazardous Waste Landfill	AC	A site used for the disposal of hazardous solid waste material. Hazardous waste includes chemical waste, paint, material contaminated with petroleum products. Materials generally not included, and handled separately, are waste POL, biological hazards, radioactive materials, and infectious wastes. CCF is derived from FCSWA data. SCF is derived from FCSWA data.	\$1,045,985.00	\$10,449.55
8411*	Water Source, Potable	KG	A source of water that is or can be treated to be safe for drinking.	\$0.00	\$0.00
8412	Water Treatment Facility	KG	A facility for treating raw water in order to make it safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from FCWA data.	\$3,099.21	\$11.07
8413	Water Storage, Potable	GA	A facility for the storage of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	\$2.09	\$0.0030
8414*	Water Well, Potable	KG	A well that provides water which is safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$7.80	\$0.08
8421	Water Distribution Line, Potable	LF	Pipelines for the distribution of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.	\$37.56	\$0.83
8422	Water Pump Facility, Potable	KG	A facility for the pumping of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	\$58.29	\$0.02
8431	Water Source, Fire Protection	GM	A source of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	\$38.85	\$0.06
8432	Water Distribution Line, Fire Protection	LF	Pipelines for the distribution of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from AWWA data.	\$37.56	\$0.83
8433	Water Impoundment, Fire Protection	MG	An impoundment for the storage of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$235,526.40	\$489.73
8434	Water Pump Facility, Fire Protection	KG	A facility for the pumping of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from RS Means data.	\$58.29	\$0.02
8441	Water Source, Non-Potable	KG	A source of water that, in its natural condition, is not safe for drinking. Usually a well or stream. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$7.80	\$0.08
8442	Water Storage, Non-Potable	GA	A facility for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	\$2.09	\$0.0030
8443*	Reservoir, Water	MG	An impoundment for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	\$735,126.72	\$489.73
8451	Water Distribution Line, Non-Potable	LF	Pipelines for the distribution of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.	\$37.56	\$0.83
8452	Water Pump Facility, Non-Potable	KG	A facility for the pumping of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	\$58.29	\$0.02
8511	Road, Surfaced	SY	A hard-surfaced road. The surface is usually either concrete or asphalt. CCF is derived from RS Means data. SCF is derived from MicroPaver data.	\$36.68	\$1.03
8512	Road, Unsurfaced	SY	An unpaved road. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.	\$6.53	\$0.16
8513	Vehicle Bridge	SY	Bridges that support vehicle roadway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8511.	\$634.09	\$15.28

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
8521	Vehicle Parking, Surfaced	SY	A paved surface for parking private and/or government owned vehicles and equipment. The surface is usually either concrete or asphalt. CCF is derived from USACE data. SCF is derived from RS Means data.	\$44.94	\$1.04
8522	Vehicle Parking, Unsurfaced	SY	An unpaved surface for parking private and/or government owned vehicles and equipment. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.	\$6.53	\$0.16
8523	Vehicle Staging Area	SY	A surfaced or unsurfaced area for the temporary storage or holding of vehicles and equipment awaiting deployment. CCF is derived from USACE data. SCF is derived from RS Means data.	\$45.03	\$1.04
8524	Sidewalk and Walkway	SY	A pathway constructed to support pedestrian traffic. Construction is of concrete, asphalt, paving blocks, gravel, or the like. CCF is derived from USACE data. SCF is derived from RS Means data.	\$37.20	\$0.81
8525	Pedestrian Bridge	SY	Bridges that support walkway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8513.	\$892.81	\$21.52
8526	Miscellaneous Paved Area	SY	Paved surfaces that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	\$44.28	\$1.04
8601	Railroad Track	MI	Rail track to include spurs, sidings, yards, and turnouts. Track includes two parallel rails, crossties, and roadbed. CCF is derived from USACE data. SCF is derived from data provided by various commercial railroads.	\$1,373,175.94	\$15,616.86
8611	Railroad Bridge	LF	Bridges that support railroad track crossing of a river, road underpass, or similar gap. CCF is derived from AMATS data. SCF is based on a ratio from FAC 8601.	\$18,270.67	\$208.29
8612	Miscellaneous Railroad Facility	EA	A facility, other than track, normally associated with rail operations. Cost factors are based upon a railroad scale contained within a 100' section of track. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8601.	\$94,104.47	\$1,072.79
8711	Storm Drainage	LF	Drainage pipes or ditches intended to capture and direct the flow of storm water. CCF is derived from Marshall & Swift (Dodge Cost Guide) data. SCF is derived from RS Means data.	\$3.71	\$0.0032
8712*	Retaining Structure	LF	A structure constructed to restrict or prevent the horizontal movement of earth. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	\$434.25	\$5.99
8713*	Dams and Dikes	EA	A barrier constructed to obstruct the normal flow of a watercourse, causing the water to back-up or divert its path of flow. CCF is derived from data provided by all the Services. SCF is derived from RS Means data.	\$56,521.49	\$489.25
8721	Fence and Wall	LF	A linear structure intended to restrict access to a specific area or to restrict and direct the flow of traffic. CCF is derived from USACE data. SCF is derived from RS Means data.	\$33.25	\$0.46
8910	Utility Building	SF	A building that contains utility equipment and functions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,297 SF.	\$158.42	\$3.00
8921	Installation Gas Production Plant	EA	Plants for the production of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size of 1,500 SF with 100-HP compressor. CCF is derived from USACE and Marshall & Swift data. SCF is derived using the Whitestone MARS data for FAC 8910 and RS Means data.	\$269,928.29	\$5,555.75
8922	Installation Gas Storage	EA	A facility for the storage of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size facility of 1,297 SF. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data from FAC 4412.	\$30,500.00	\$950.00

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
8923*	Vehicle Scales	EA	A facility for weighing vehicles and their loads in a roll-on/roll-off mode. CCF is derived from Marshall & Swift data. SCF is derived from data provided by the NY State Dept. of Weights & Measures and commercial scale maintenance companies.	\$19,788.60	\$882.41
8924	Miscellaneous Pump Station	EA	Miscellaneous liquid pumping stations that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	\$295,200.00	\$97.34
8925	Energy Management and Control System	EA	A system to monitor and control the distribution of primary utility services throughout the installation. Included are sensors at various locations, a central control unit, and communication lines to connect the sensors to the control unit. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	\$257,607.00	\$11,462.02
8926	Hazardous Waste Storage Or Disposal Facility	EA	A facility used for the storage and/or disposal of hazardous wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 4412..	\$201,485.50	\$4,750.00
8927*	Utility Vaults	EA	An enclosed structure, generally made of concrete, that contains utility equipment, connections, or lines. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data from FAC 8910.	\$19,286.40	\$300.00
8928*	Loading Platform/Ramp	EA	A structure from which trucks or rail cars can be loaded or unloaded by moving the load directly to or from the bed. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$9,898.57	\$83.19
8929*	Miscellaneous Utility Facility	EA	Miscellaneous utility facilities and systems that are not included in another Facility Analysis Category. These facilities will be treated as having a Unit of Measure of each. CCF is derived from USACE and Marshall & Swift data. SCF is derived from RS Means and other data sources.	\$9,032.44	\$170.60
8930	Installation Gas Distribution Line	LF	Distribution pipes for the transfer of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$73.89	\$1.85
8931	Utility Tunnel	LF	A walk-thru tunnel that contains various utility lines and that allows these lines to be accessed for maintenance. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	\$38.06	\$0.24
8951	Miscellaneous Storage Tank and Basin	GA	Miscellaneous liquid storage and holding tanks and basins, that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	\$0.95	\$0.0026
8999	Miscellaneous Component of Other Facility	n/a	Components of other Facilities that are generally understood to be part of the other facilities. These items are not used for analysis or costing, as they are accounted for in the other facilities.	\$0.00	\$0.00
9110	Government-owned land	AC	Land comprising the whole or a part of a military installation that is owned by the Federal Government.	n/a	n/a
9120	Withdrawn Public land	AC	Land originally withdrawn from public domain under jurisdiction of the Department of Interior.	n/a	n/a
9130	Licensed and Permitted Land	AC	Land acquired for use under license or permit.	n/a	n/a
9140	Public Land	AC	Public land of Territories or Possessions acquired for use of the Federal Government.	n/a	n/a
9210	Land Easement	AC	A right that allows the US Forces access to and use of land for a specific purpose, without depriving the owner or tenant of continued use.	n/a	n/a
9220	In-leased Land	AC	Land leased to the Services comprising the whole or part of a military installation.	n/a	n/a
9230	Foreign Land	AC	Land under the custody of the Services comprising a military installation in a foreign country or trust area, except that land in Facility Analysis Categories 9210 and 9220.	n/a	n/a
9311	Building Improvements and Acquisitions	n/a	The acquisition and/or improvement of a building. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a

FAC	FAC title	UM	Description	Cost Factors (\$FY03)	
				Construction	Sustainment
9321	Clearing, Grading, and Landscaping	n/a	The removal of vegetation, reshaping of the land surface, and/or the planting of decorative trees and shrubs. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9331	Demolition	n/a	The razing of structures and other obstructions and subsequent removal of debris. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9341	Cut and Fill	n/a	The removal of soil from higher elevations and/or the placement of soil in lower elevations to prepare a site for further construction. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9351	Dredging	n/a	The removal of the bed material underlying a body of water, to provide operating channels, maneuvering area, anchorages and moving basins for ships.	n/a	n/a
9391	Other Real Property Improvements	n/a	Other improvements to real property that are not included in another Facility Analysis Category. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9411	Contaminated Facility or Area	n/a	A facility or land that has been contaminated and is unavailable for use, excluding as impact areas. This Facility Analysis Category should not be used for inventory purposes as the facility or land is also captured in other categories.	n/a	n/a
9999	Not Real Property	n/a	Service category codes that are not accountable items of real property.	n/a	n/a

Notes:

1. n/a = not applicable. There is no construction or sustainment cost associated with this FAC.
2. FAC numbers annotated with an asterisk (*) indicates a new or renumbered FAC.

TABLE A: UNIT COSTS FOR DoD FACILITIES

Table A provides metric unit cost data for DoD facilities in dollars per square meter (\$/m²) and equivalent English unit cost data in dollars per square foot (\$/SF).

Most unit costs and referenced facility sizes are based on historic construction award data for Air Force, Army and Navy projects with construction contracts awarded after January 1997. Unit costs for a few category codes that have a limited number of awarded projects are based on contracts awarded since 1990. The unit cost database includes only new construction projects and does not include data from renovation or add/alter projects. The facility types or category codes listed represent those facilities more frequently constructed by the Services.

NOTES:

1. Unit costs are escalated to October 2005 and October 2006, the assumed midpoints of construction for FY05 and FY06, respectively, with an area cost factor of 1.00. Use the OSD inflation rates shown in Table D to escalate the FY05 unit costs beyond FY05. Unit costs include installed (built-in) building equipment and furnishings normally funded with MILCON funds. Unit costs are for primary facilities only and do not include supporting facility costs; equipment acquired with other fund sources; anti-terrorism/ force protection costs; construction contingency factors; supervision, inspection, and overhead (SIOH); or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions.
2. Unit costs for DoD medical facilities include category A and category B equipment, but do not include category E and category F equipment costs.
3. Unit costs for administrative facilities do not include pre-wired workstations or furnishing systems.
4. Unit costs for barracks and unaccompanied officers quarters do not include free-standing kitchen equipment. In addition to using the size adjustment factors, use the project size adjustment factors in table C.
5. Unit costs for child development centers do not include free-standing food service equipment or playground area and equipment.
6. Unit costs for family housing are based upon gross area and include sprinkler systems or fire-rated construction. Unit costs include post-award design costs.
7. For reserve facilities other than reserve centers, use the unit cost of the appropriate facility type.

APPENDIX B: Unit of Measure Glossary

AC	Acres
BL	Barrels (42 gal. each)
CF	Cubic Feet
EA	Each
FA	Family Units (housing)
FB	Linear Feet of Berthing
FP	Firing Point (firing ranges)
GA	Gallons
GM	Gallons Per Minute
KG	Thousands of Gallons Per Day
KV	Kilovolt-Amperes

KW	Kilowatts
LF	Linear Feet
MB	Millions of BTU Per Hr (capacity)
MG	Millions of Gallons
MI	Statute Miles
OL	Outlets
SF	Square Feet
SY	Square Yards
TH	Tons Per Hour (capacity)
TN	Tons (capacity)
TR	Tons (refrigeration)

- “1999 Statistical Report- Rural Electric Borrowers,”* Informational Publication 201-1, United States Department of Agriculture, Rural Electric Service, September 2000
- “A National Survey of Municipal Wastewater Management Financing & Trends,”* 1999 Financial Survey, Association of Metropolitan Sewerage Agencies (AMSA), 1999
- “Airfield Pavement – Keeping Nation’s Runways in Good Condition Could Require Substantially Higher Spending,”* Report of the U.S. General Accounting Office, July 1998
- “Asphalt Rubber Overlay Found to Have Long-Term Performance,”* Report of the Arizona Department of Transportation, George B. Way, P.E., Public Works Magazine, December, 1999
- “Dollars & Cents of Multifamily Housing: 2000,”* Report of the Urban Land Institute, 2000
- “Navy Family Housing, An Improved Management Approach,”* Report of Logistics Management Institute, February 1999
- “Preparation of a Model for Estimating Air Force Building Maintenance & Repair Requirements at Langley Air Force Base, Virginia, Vol.1,”* Report of Science Applications International Corporation and Whitestone Associates, July 1993
- 2000 National Building Cost Manual,* Craftsman Book Company, 2000
- Airfield Specifications,* HQ Dept. of the Air Force Manual 32-1123 (TM 5-803-7), 1 May 1999
- Army Military Construction Program Development & Execution,* HQDA AR 415-15, September 1998
- Design Guide for Armories,* National Guard Bureau DG 415-1, Installations Division, 1 June 1997
- Dodge Repair and Remodel Cost Guide 2000,* Marshall & Swift, 2000
- Dodge Unit Cost Guide 2001,* Marshall & Swift, 2001
- Engineering, Construction & Maintenance,* Public Works Magazine Public Works Manual, April 2000
- Facilities Engineering: Army National Guard Facilities Allowances,* National Guard Pamphlet 415-12, HQDA, 1 January 2000
- Facilities Manager’s 2000 Costbook,* BNI Building News, 2000
- Guidance Manual for Operators of Small Natural Gas Systems,* US Department of Transportation, Research & Special Programs Administration, August 1997
- Income Expense Analysis: Conventional Apartments – 2002,* Institute of Real Estate Management
- Historical Air Force Construction Cost Handbook,* Air Force Civil Engineer Support Agency, March 2002
- MARS User’s Guide, v5.0,* Whitestone Research Corporation, February 2002
- Marshall Valuation Service,* Marshall & Swift, L.P., 1998 (with periodic sectional updates)
- Pavement Management for Airports, Roads & Parking Lots,* M.Y. Shahin, Kluwer Academic Publishers, 1994
- Programming Cost Estimates for Military Construction,* HQDA TM 5-800-4, May 1994
- RS Means Facilities Maintenance & Repair Cost Data, 2002 Edition,* RS Means Company, Inc., 2002
- RS Means Heavy Construction Cost Data, 16th Edition,* RS Means Company, Inc., 2002
- RS Means Landscape Estimating Methods, 3rd Edition,* RS Means Company, Inc., 2000

RS Means Site Work & Landscape Cost Data, 19th Edition, RS Means Company, Inc., 2000
RS Means Square Foot Cost Data, 23rd Edition, RS Means Company, Inc., 2002
RS Means Repair & Remodeling Cost Data, 23rd Edition, RS Means Company, Inc. 2002
RS Means Mechanical Cost Data, 25th Edition, RS Means Company, 2002
RS Means Residential Cost Data, 21st Edition, RS Means Company, 2002
RS Means Electrical Cost Data, 25th Edition, RS Means Company, 2002
The Whitestone Building Maintenance & Repair Cost Reference, 2002, Whitestone Research Corporation
Transportation Infrastructure and Dams, HQDA AR 420-72, 1 May 2000
Unit Costs, Area Cost Factors, Size Adjustment Factors and Inflation Rate Guidance for Department of Defense Facility Construction for FY 2002 and FY 2003, Office of the Under Secretary of Defense (DoD Tri-Service Committee on Cost Engineering), 26 April 2000
Water Supply & Sewerage, 6th Edition; Terence J. McGhee, McGraw-Hill, Inc. 1991

The following federal, state, and local government sources were also contacted as part of the research effort, and provided data in both published and unpublished (internal budgets and reports) form.

Akron Metropolitan Area Transportation Study, Project #34, 2000
Arlington County (VA) Department of Public Works (Mr. Joseph Durkee)
Bureau of Reclamation, FY 1998 Report “Hydroelectric Power Plants”
Bureau of Transportation Statistics
California Department of Transportation (Mr. Rob Marsh)
Dominion—Virginia Electric Power (Mr. Phil Sparks)
Fairfax County (VA) Park Authority (Mr. Chris Hoppe, Mr. Charles Bittenbring, Mr. Rob Airaghi and Mr. Paul Engman)
Fairfax County, VA Department of Public Works, Sewage Disposal Office (Ms. Charese Willis and Mr. Bill White)
Fairfax County, VA. Division of Solid Waste Disposal & Resource Recovery (Mr. Jeff Smithberger, Deputy Director)
Federal Energy Regulatory Commission (Mr. Brian Holmes)
Fort Monmouth (NJ) Department of Public Works (Mr. Terry Matthews)
New York State Department of Weights & Measures (Mr. Mike Sikula, Assistant Director)
Naval Surface Warfare Center – Indian Head (Mr. Lou Scafalli)
Norfolk Naval Ship Yard (Mr. Ronnie D. Ayers)
Ohio Department of Transportation (Mr. Michael Orndorf)

Oregon Department of Transportation (Mr. Mike Dunning), Report: RSN 00-01 “Permanent Pavement Striping or Paint?”
Oxnard, CA Department of Public Works (Mr. Mark Norris, Wastewater Superintendent)
Texas Department of Transportation (Mr. Richard Kirby, Mr. Bill Swindal)
Department of Energy, Energy Information Agency (Mr. Rodney Dunn)
U.S. EPA, Region 3, Water Division (Mr. Les Reed)
Department of Transportation, Federal Highway Administration
University of Virginia, Charlottesville VA, (Director of Utilities)
Washington State Department of Transportation (Mr. Scott Woodruff, Mr. Ken Kirkland)

The following non-governmental agencies, associations, and other sources were contacted as part of the research effort. Where data was available, it was included in the overall FAC-level analysis.

American Gas Association (Mr. Paul Pierson)
American Public Gas Association (Mr. Bob Cave)
American Public Power Association, (Mr. Steven Choate, Head of Statistics)
American Water Works Association, Water STATS database
Apple Valley Scale Company, (Ms. Kathy Warner)
Association of Metropolitan Sewerage Agencies (Ms. Robin Davis)
Dallas/Fort Worth International Airport Master Specification: Item L-107
Dominion-Virginia Electric Power Company (Mr. Phil Sparks)
Energy News, Statistics, Trends and Energy Data, July 2000
General Electric Corporation
Hanretty Crane & Equipment Company (Mr. John Hanretty)
International District Energy Association (Mr. Rob Thornton)
National Propane Gas Association (Mr. Jim Burnham)
Ocean Science Group
The World Bank’s Report: “Construction & Maintenance - Unit Costs of Construction & Maintenance”, 1997
The York Corporation, Residential and Light Commercial Division
Trane Corporation, Baltimore Office (Mr. Steve Groenke)
Willis Energy Services Ltd, Vancouver, B.C. (Mr. Alex Tunner, P.E.)

APPENDIX D: FAC-to-Category Code Table

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FAC	Svc	CATCD	CATCODE Title
1111	A	11110	Fixed Wing Runway, Surfaced
1111	AF	11111	Runway
1111	AF	116116	Short Field Takeoff and Landing
1111	AF	116555	SAC Alert Take-Off Strip
1111	N	11110	Runway Fixed-Wing
1112	A	11120	Rotary Wing Runway, Surfaced
1112	A	11130	Rotary Wing Landing Pad, Surfaced
1112	AF	116663	Helicopter Pad
1112	N	11115	Runway Rotary-Wing
1112	N	11120	Helicopter Landing Pad
1113	A	11151	Runway Overrun Area
1113	AF	111115	Overrun, Paved
1114	A	11111	Fixed Wing Runway, Unsurfaced
1114	A	11121	Rotary Wing Runway, Unsurfaced
1121	A	11212	Fixed Wing Taxiway, Surfaced
1121	AF	112211	Taxiway
1121	N	11210	Taxiway
1122	A	11221	Rotary Wing Taxiway, Surfaced
1131	A	11310	Fixed Wing Parking Apron, Surfaced
1131	A	11320	Rotary Wing Parking Apron, Surfaced
1131	A	11330	Aircraft Maintenance Parking Apron, Surfaced
1131	A	11340	Hangar Access Apron, Surfaced
1131	A	11350	Aircraft Runway Holding Apron, Surfaced
1131	A	11380	Aircraft Loading Apron, Surfaced
1131	AF	113321	Apron
1131	AF	116661	Arming and Disarming Pads
1131	AF	116662	Pad, Dangerous Cargo, Load/Unload
1131	AF	116664	Power Check
1131	AF	116665	Power Check w/Suppressor
1131	AF	116666	Pad, Warmup, Holding
1131	N	11320	Aircraft Parking-Apron
1131	N	11340	Aircraft Access-Apron
1131	N	11635	Arming&De-Arming Pad
1131	N	11650	Towway
1131	N	11655	Ordnance-Handling Pad
1131	N	11656	Combat Aircraft Ordnance Loading Area
1161	A	11610	Aircraft Compass Swing Base
1161	AF	116667	Pad, Calibration
1161	N	11620	Aircraft Compass-Calibration Pad
1162	AF	116668	Pad, Launching
1163	A	11370	Aircraft Washing Apron, Surfaced
1163	AF	116672	Aircraft Washrack
1163	N	11610	Aircraft Washrack-Pavement
1164	AF	852269	Vehicle Parking Refueling
1164	AF	852273	Aircraft Support Equipment Storage Yard
1164	N	11640	Ground-Controlled-Approach Pad
1164	N	11642	Blast Protective Pavement
1164	N	11645	Line Vehicle Parking
1164	N	11660	Fire&Rescue Vehicle Alert Pad
1164	N	11665	Tactical-Support-Van Pad
1165	AF	116642	Shoulder, Paved
1166	A	11131	Rotary Wing Landing Pad, Unsurfaced
1166	A	11213	Fixed Wing Taxiway, Unsurfaced
1166	A	11222	Rotary Wing Taxiway, Unsurfaced
1166	A	11311	Fixed Wing Parking Apron, Unsurfaced

FAC	Svc	CATCD	CATCODE Title
1166	A	11321	Rotary Wing Parking Apron, Unsurfaced
1166	A	11331	Aircraft Maintenance Parking Apron, Unsurfaced
1166	A	11341	Hangar Access Apron, Unsurfaced
1166	A	11351	Aircraft Runway Holding Apron, Unsurfaced
1166	A	11371	Aircraft Washing Apron, Unsurfaced
1166	A	11383	Aircraft Loading Apron, Unsurfaced
1167	N	11615	Aircraft Rinse-Facility
1211	A	12110	Aircraft Direct Fueling Facility
1211	A	12120	Aircraft Fuel Truck Loading Facility
1211	AF	121115	Aviation Fuel Dispensing
1211	AF	121122	Hydrant Fueling System
1211	N	12110	Aircraft Direct-Fueling-Station
1211	N	12120	Aircraft Truck-Fueling Facility
1212	N	12130	Aircraft Defueling Facility
1221	A	12210	Marine Fueling Facility
1221	AF	122111	Marine Fuel Dispensing System
1221	N	12210	Marine Fueling Facility
1221	N	12220	Small-Craft Fueling-Station
1221	N	42320	Liquid-Propellant Dispensing Facility
1231	A	12311	Land Vehicle Fueling Facility, Mogas
1231	A	12322	Land Vehicle Fueling Facility, Diesel/JP8
1231	A	12333	Land Vehicle Fueling Facility, Natural Gas
1231	AF	123335	Vehicle Fueling Station
1231	N	12310	Filling Station
1241	A	12410	Aircraft Fuel Storage Tank, Avgas, Underground
1241	A	12411	Aircraft Fuel Storage Tank, Jet, Underground
1241	A	12412	Aircraft Fuel Storage Tank, Avgas, Above Ground
1241	A	12413	Aircraft Fuel Storage Tank, Jet, Above Ground
1241	A	12440	Marine Fuel Storage Tank, Underground
1241	A	12441	Marine Fuel Storage Tank, Above Ground
1241	A	12450	Land Vehicle Fuel Storage Tank, Mogas, Underground
1241	A	12451	Land Vehicle Fuel Storage Tank, Mogas, Above Ground
1241	A	12460	Propellant Storage Tank, Underground
1241	A	12461	Propellant Storage Tank, Above Ground
1241	A	12470	Heating Fuel Storage Tank, Underground
1241	A	12471	Heating Fuel Storage Tank, Above Ground
1241	A	12472	Kerosene Storage Tank, Underground
1241	A	12473	Kerosene Storage Tank, Above Ground
1241	A	12480	Land Vehicle Fuel Storage Tank, Diesel/JP8, Underground
1241	A	12481	Land Vehicle Fuel Storage Tank, Diesel/JP8, Above Ground
1241	A	12482	Liquid Propane Gas Storage Tank, Underground
1241	A	12483	Liquid Propane Gas Storage Tank, Above Ground
1241	AF	124131	Operating Storage, Aviation Gas
1241	AF	124132	Operating Storage, Aviation Lubricant
1241	AF	124134	Operating Storage, Diesel
1241	AF	124135	Operating Storage, Jet Fuel
1241	AF	124137	Operating Storage, Motor Gas
1241	AF	124138	Operating Storage, Solvents
1241	AF	124139	Operating Storage, Special Fuels
1241	AF	821112	Heating Fuel Oil Storage
1241	N	12420	Drum/Can Ready-Fuel Storage
1241	N	12430	Aircraft Ready-Fuel Storage
1241	N	12440	Small-Craft Ready-Fuel Storage
1241	N	12450	Vehicle Ready-Fuel Storage
1241	N	12465	Activity Heating-Fuel Storage

FAC	Svc	CATCD	CATCODE Title
1241	N	12470	Surge Storage
1241	N	82160	Distillate Heating Fuel Oil Storage
1241	N	82161	Residual Heating Fuel Oil Storage
1251	A	12510	POL Pipeline, Above Ground
1251	A	12520	POL Pipeline, Underground
1251	AF	125554	Pipeline, Liquid Fuels
1251	N	12510	POL Pipeline
1261	A	12610	Heating Fuel Oil Dispensing Facility
1261	A	12615	Kerosene Dispensing Facility
1261	A	12620	Propellant Fueling Facility
1261	A	12630	Tank Truck Load/Unload Facility
1261	A	12640	Tank Car Load/Unload Facility
1261	A	12650	Barge Load/Unload Facility
1261	A	12660	Tanker Load/Unload Facility
1261	A	12670	Drum Loading Facility
1261	AF	126925	Liquid Fuel Truck Fill Stand
1261	AF	126926	Liquid Fuel Stand, Unloading
1261	N	12610	Drum&Can Loading Facility
1261	N	12630	Tank-Truck Tank-Car Loading Facility
1261	N	12640	Tank-Truck Tank-Car Unloading Facility
1311	A	13115	Information Systems Facility
1311	A	13120	Communications Center
1311	A	13125	Military Affiliate Radio System (MARS) Station
1311	A	13140	Information Systems Processing Center
1311	A	13160	Transmitter Building
1311	A	13170	Receiver Building
1311	A	13175	Televideo Center
1311	A	13181	Terminal Equipment Building
1311	AF	131111	Telecommunications Facility
1311	AF	131114	Military Affiliate Radio System
1311	AF	131115	Communications Receiver
1311	AF	131116	Communications-Transmitter/Receiver
1311	AF	131117	Communications Transmitter
1311	AF	131118	Radio Relay Facility
1311	AF	131121	NUC Detection Sys Relay Center
1311	AF	131132	Satellite Communications Ground Terminal
1311	AF	131133	Communications, Scatter
1311	AF	131134	AIRCOM Relay Center
1311	AF	131135	Automatic Switching Center
1311	AF	131136	AIRCOM Receiver
1311	AF	131137	AIRCOM Transmitter
1311	AF	131138	High Frequency AIRCOM Microwave Relay
1311	AF	131139	AIRCOM Radio Relay
1311	AF	131143	Gap Filler
1311	AF	141391	Radar Transmitter and Computer Building
1311	N	13110	Cable-House
1311	N	13115	Communications Center
1311	N	13117	Telecommunications Center
1311	N	13120	Communications Control-Link Building
1311	N	13122	VHF/UHF Communication Facility
1311	N	13124	Satellite Communications Building
1311	N	13125	Telemetry Building
1311	N	13130	Helix House
1311	N	13135	Receiver Building
1311	N	13140	Telephone-Exchange Building

FAC	Svc	CATCD	CATCODE Title
1311	N	13142	Automatic-Communication Switching-Center
1311	N	13145	Terminal-Equipment Building
1311	N	13150	Transmitter Building
1311	N	13155	Circular-Disposed Antenna-Array Building
1311	N	13156	Direction-Finder Building
1311	N	13160	Military-Affiliate-Radio Station
1311	N	13165	Frequency Analysis-Control Building
1321	A	13220	Antenna
1321	AF	132131	Silo Hardened HF Antenna
1321	AF	132134	Antenna Support Structure
1321	N	13210	Antenna Communications
1321	N	13240	Switching-Stations -Outdoor Antenna
1321	N	13250	Public-Address-System -Outdoor
1321	N	13255	Circular-Disposed Antenna-Array
1331	A	13320	Navigation Building, Air
1331	AF	133314	UHF Direction Finding
1331	AF	134336	Ground Controlled Approach, Fixed
1331	AF	134338	Ground Controlled Approach Vault
1331	AF	134341	Ground Controlled Approach RAPCON Support Building
1331	AF	134375	Radar Approach Control Center
1331	AF	149511	Pilotless Aircraft Guidance Station
1331	AF	149516	Aircraft Guidance Station
1331	N	13315	RAWIN Building
1331	N	13325	TACAN Building
1331	N	13335	UHF Homer Beacon Building
1331	N	13365	Air Navigation Building
1331	N	13380	Wheels Watch Booth
1341	A	13410	Radio Beacon
1341	A	13430	Ground Control Approach System
1341	A	13440	Instrument Landing System
1341	A	13450	Navigational Lighting
1341	A	13470	Wind Direction Indicator
1341	AF	134119	Remote Control Circuits
1341	AF	134335	Ground Control Intercept
1341	AF	134351	Instrument Landing System Glide Slope
1341	AF	134353	Instrument Landing System Localizer
1341	AF	134355	ILS Marker Beacon
1341	AF	134373	Radar Turntable
1341	AF	134374	Precision Approach Radar
1341	AF	134376	Airport Surveillance Radar
1341	AF	134394	Radar Control AN/FPN 13 or AN/CPN-6
1341	AF	134422	Radio Beacon Facility
1341	AF	134465	Tactical Air Navigation Station, Fixed
1341	AF	134473	Navigational Aid Tower
1341	AF	134482	Low Power Terminal VHF Omnirange
1341	AF	134484	High Power VHF Omnirange
1341	AF	134511	TVOR-RACAN, Fixed
1341	AF	134678	Wind Direction Indicator
1341	AF	149621	Wind Measuring Set, ANG/MQ20
1341	AF	149622	Ceilmeter Rotating Beacon
1341	AF	149623	Transmissometer, ANG/MQ-10
1341	AF	149624	Temperature-Humidity Measuring Set
1341	AF	149625	Digital Wind Measuring System
1341	AF	149626	Lightning Warning Set
1341	AF	149627	Radar Meteorological Set, C-Band

FAC	Svc	CATCD	CATCODE Title
1341	AF	149629	Cloud Detection Radar
1341	N	13410	Antenna Navigation -Aircraft
1341	N	13420	Beacon Aircraft
1341	N	13440	Ground-Controlled-Approach System
1341	N	13450	Obstruction-Lighting Aircraft
1341	N	13455	Visual-Approach-Slope Indicator
1341	N	13460	Optical-Landing System
1341	N	13462	Wind-Direction Indicator
1341	N	13464	Runway Distance-Markers
1341	N	13466	VOR/TACAN Facility
1341	N	13470	RADAR Facility
1341	N	13471	Aviation Meteorological Facility
1351	A	13510	Communication Lines, Underground
1351	A	13511	Communication Lines, Above Ground
1351	A	13520	Communication Lines, Marine
1351	AF	135583	Telephone Duct Facility
1351	AF	135586	Telephone Pole Facility
1351	N	13510	Communication-Lines -Other Than Telephone
1351	N	13520	Telephone Lines
1361	A	13610	Runway Lighting
1361	A	13612	Approach Lighting System
1361	A	13613	Visual Approach Slope Indicator
1361	A	13615	Rotary Wing Parking Pad Lighting
1361	A	13620	Taxiway Lighting
1361	A	13621	Holding Apron Lighting
1361	A	13670	Parking Apron/Hardstand Lighting
1361	AF	136661	Light, Approach
1361	AF	136664	Light, Runway
1361	AF	136667	Taxiway Lighting
1361	N	13610	Approach Lighting
1361	N	13620	Parking&Service-Area Lighting
1361	N	13630	Runway Edge Lighting
1361	N	13635	Runway Centerline Lighting
1361	N	13650	Taxiway Lighting
1361	N	13665	Helipad Pad Lighting
1362	AF	136635	Light, Beacon
1362	AF	136662	Obstruction Light
1362	AF	136666	Special Airfield Lighting
1362	N	13636	Simulated-Carrier-Deck Lighting
1362	N	13645	Wheels-Up Wave-Off Lighting
1362	N	13655	Touchdown-Zone Lighting
1362	N	13660	Threshold Lighting
1371	A	13710	Lighthouse
1371	A	13750	Navigation Building, Ship
1371	N	13710	Oceanographic Building
1371	N	13720	Lighthouse
1371	N	13730	LORAN Building
1371	N	13732	DECCA Building
1371	N	13733	Navigation-Aid Test-Center
1371	N	13740	Port-Control Office
1381	A	13810	Lighted Beacon, Ship
1381	N	13810	Beacon Ship
1381	N	13820	Navigation-Aid Target
1381	N	13825	Antenna Navigation
1402	AF	141392	Radar Transmitter Building (BMEWS)

FAC	Svc	CATCD	CATCODE Title
1402	AF	141393	Scanner Building (BMEWS)
1402	AF	141411	RADOME Tower Building
1402	AF	141421	Radar Tower Building
1402	AF	141446	Combat Center Building
1402	AF	141447	Direction Center Facility
1402	AF	141449	Direction/Combat Center Facility
1402	AF	141481	Aircraft Control and Warning Operations Building Dewline
1402	AF	141489	Aircraft Control and Warning Operations Building
1403	A	14121	Missile Launcher and Storage Building
1403	AF	141173	Missile Erector Enclosure
1403	AF	141175	Guided Missile Launch Control
1403	AF	141911	Missile Operations Building
1403	AF	141912	Re-entry Vehicle Building
1403	AF	141915	Missile Transfer Building
1404	A	14161	Emergency Operations Center (EOC)
1404	A	14162	Special Compartmented Information Facility (SCIF)
1411	AF	130142	Fire Crash And Rescue Station
1411	N	14120	Aircraft Fire&Rescue Station
1411	N	14125	Combined-Structural Fire&Rescue Station
1412	A	14110	Airfield Operations Building
1412	A	14112	Aviation Unit Operations Building
1412	AF	141183	Alert Hanger, Fighter Aircraft
1412	AF	141184	Ready Shelter Facility
1412	AF	141185	Helicopter Rescue and Recovery Hanger
1412	AF	141232	Aerial Delivery Facility
1412	AF	141453	Base Operations
1412	AF	141459	Crew Readiness
1412	AF	141461	USAF Command Post
1412	AF	141626	Weather Rawinsonde
1412	AF	141627	Weather Instrument Shelter
1412	AF	141629	Surface Weather Observing Facility
1412	AF	141635	Rocketsonde Control Building
1412	AF	141753	Squadron Operations
1412	AF	141782	Terminal, Air Freight
1412	AF	141783	Air Freight/Passenger Terminal
1412	AF	141784	Air Passenger Terminal
1412	AF	141785	Fleet Service Terminal
1412	AF	141786	Deployment Processing Facility
1412	N	14111	Air Passenger Terminal
1412	N	14112	Air Cargo Terminal
1412	N	14113	Courier Station
1412	N	14130	Aircraft Line-Operations Building
1412	N	14140	Aircraft Operations Building
1412	N	14141	Marine Air Traffic Control Unit Operations Building
1412	N	14181	Ground-Control-Approach Crew Facility
1412	N	14182	Full-Pressure-Suit Facility
1413	A	13310	Flight Control Tower
1413	AF	149962	Control Tower
1413	N	13372	RATCC Center
1413	N	13375	Air-Surveillance Radar Building
1413	N	14170	Control Tower
1421	A	14220	Helium Storage Building
1421	N	14210	Helium Processing-Plant Building
1421	N	14219	Helium Storage Building
1422	N	14220	Helium Storage Facility

APPENDIX D: FAC-to-Category Code Table

FAC	Svc	CATCD	CATCODE Title
1431	A	14310	Ship Operations Building
1431	A	15610	Cargo Handling Office Building
1431	N	14341	Amphibious Operations Building
1431	N	14360	Explosives Shipping-Transfer Depot
1431	N	14365	OPCON Center-for-Fleet Operations
1431	N	15920	Degaussing Building
1431	N	15930	Deperming Building
1431	N	15964	Waterfront Operations Support Building
1441	A	13135	Photo Lab
1441	AF	131119	American Forces Radio and Television Station
1441	AF	141383	Audiovisual Facility
1441	AF	141385	Motion Picture Laboratory
1441	AF	141387	Film Storage Vault
1441	AF	141389	Television Production Facility
1441	AF	141743	Base Photo Laboratory
1441	AF	141745	Reconnaissance Photo Laboratory
1441	AF	141747	WS-430B Photo Processing and Interpretation Facility Support Building
1441	N	14160	Photographic Building
1441	N	14165	Fleet Reconnaissance-Photographic Laboratory
1441	N	14330	Motion Picture Exchange
1441	N	17117	TV Center for Instructional Matter
1441	N	74027	Armed-Forces Radio-TV Station
1442	A	14116	Forensic Lab
1442	AF	141763	Technical Laboratory
1442	AF	141764	Integration Support Facility
1442	AF	141765	Depot Quality Control Laboratory
1442	AF	141766	Technical Laboratory Liquid Fuels Analysis
1442	N	14370	Radiation Instrument-Calibration Facility
1442	N	14375	POL Operation-Sampling-Testing Building
1443	A	14133	Shipping and Receiving Building
1443	A	14140	Care and Preservation Shop
1443	A	14150	Box and Crate Shop
1443	A	14160	Blocking and Banding Facility
1443	AF	141787	Consolidation/Containerization Point
1443	AF	141821	Material Processing Depot
1443	AF	159353	Warehouse, Transit Cargo
1443	N	14321	Ammunition Segregation Facility
1443	N	14377	Operational Storage (Misc.)
1443	N	14378	Operational Hazardous/Flammable Storage
1443	N	15610	Waterfront Transit Shed
1443	N	15620	Container Operations Building
1444	A	14114	CIDC Field Operations Building
1444	A	14115	Weather Station
1444	A	14163	Centralized Wash Building
1444	A	14165	Fueling/POL/Wash Support Building
1444	A	14166	Dispatch Building
1444	A	14168	Refill Station Building
1444	A	14169	Production Plant Support Building
1444	A	14176	Safety Building
1444	A	14177	Decontamination Building
1444	A	14180	Scale House
1444	AF	121111	Petroleum Operations Building
1444	AF	121124	Hydrant Fueling Building
1444	AF	125977	Pump Station, Liquid Fuels
1444	AF	141154	Crash Boat Crew Station

FAC	Svc	CATCD	CATCODE Title
1444	AF	141165	Explosive Ordnance Disposal
1444	AF	141454	Special Operations
1444	AF	141455	Ordnance Control Point OPS
1444	AF	141456	Air Force Security Service Operations
1444	AF	141649	Air Force Global Weather Center
1444	AF	214426	Vehicle Operations Heated Parking
1444	N	12315	Filling-Station Building
1444	N	14142	Air Intelligence-Support Center
1444	N	14187	Liquid Oxygen/Nitrogen Facility
1444	N	14311	Operational Vehicle Garage
1444	N	14317	Space Surveillance Facility
1444	N	14320	Ordnance Operations Building
1444	N	14325	Seal Team Building
1444	N	14328	Underwater Construction Team Building
1444	N	14335	Registered Publication-Issue Office
1444	N	14355	Transit Shed
1444	N	14380	Naval Security Group Regional Reporting Center
1444	N	21107	Maintenance Hangar - 02 Space
1444	N	21440	Vehicle Holding Shed
1445	A	14126	Animal Building
1445	AF	610332	Farm Facility
1445	AF	730841	Security Police Kennel Canine
1445	AF	730842	Security Police Kennel Support Building
1445	N	73076	Kennel
1446	A	14132	Ready Building
1446	AF	730836	Reserve Fire Team Facility
1446	N	14346	Marine Barracks-General-Purpose Building
1446	N	14347	Alert-Force Building
1451	AF	149512	Missile Launch Facility
1452	AF	141914	Missile Guidance Facility
1452	AF	149514	Missile Guidance Station
1453	AF	149711	Missile Shaft Access
1454	AF	149811	Tunnel
1455	AF	141177	Guided Missile Shelter
1456	N	14817	Space-Surveillance Antenna
1461	A	14920	Aircraft Arresting System
1461	AF	116922	Aircraft Arresting System Support
1461	N	14930	Aircraft Arresting Gear
1462	N	14920	Aircraft Catapult
1463	AF	116933	Firing In Butt
1464	A	14935	Blast/Exhaust Deflector
1464	AF	116945	Jet Blast Deflector
1464	N	14950	Blast Deflector Fence
1465	AF	141182	Hardened Aircraft Shelter
1465	N	14188	Hardened Aircraft Shelter
1466	AF	141181	Aircraft Shelter
1467	AF	149628	Cold Fog Dispersal System
1467	N	14915	Fixed Aircraft -Start-System
1467	N	14985	Expeditionary-Air-Control Site -MATCU&MASS
1481	N	14810	Nuclear-Propulsion Support Facility
1491	N	14815	Nuclear Weapons-Handling Facility
1492	N	14825	Explosive Truck Holding Yard
1492	N	14835	Container-Holding Yard
1492	N	14840	Container-Transfer Facility
1492	N	14845	Rail-Truck Receiving Station

FAC	Svc	CATCD	CATCODE Title
1493	N	14830	Explosives RR-Car-Holding Yard
1494	AF	422275	Ancillary Explosives Facility
1495	A	14915	Protective Barrier
1495	AF	872911	Revetment Pre-engineered
1495	N	14910	Aircraft Revetment
1495	N	86020	Explosive Barricade - for Suspect Trucks and RR Cars
1496	A	14962	Centralized Wash Facility
1497	A	17886	Heavy Demolition Area
1497	N	14820	Ordnance Disposal Area
1498	A	14113	Access Control Building
1498	AF	730834	Security Police Defensive Fighting Position
1498	AF	730837	Security Police Entry Control Building
1498	AF	730838	Master Surveillance and Control Facility
1498	AF	730839	Traffic Check House
1498	N	73025	Gate/Sentry House
1499	A	14164	Fueling/Pol/Wash Support Facility
1499	A	14167	Cylinder Refilling Station/Facility
1499	A	14170	Production Plant Support Structure
1499	A	14179	Overhead Protection
1499	A	14181	Safety Shelter
1499	A	14916	Sound Barrier
1499	A	14925	Fighting Position
1499	A	14937	Vehicle Test Track
1499	A	14940	Tower
1499	A	14953	Vehicle Test Ramp
1499	A	14958	Vehicle Defueling Facility
1499	A	14961	Track and Gun Synchronization Ramp
1499	A	14975	Gun Emplacement
1499	AF	149411	Bunker
1499	AF	149965	Radar Tower
1499	AF	149968	Special Tower
1499	AF	214429	Refueling Vehicle Hardened Shelters
1499	AF	872845	Security Guard Tower
1499	N	12516	Miscellaneous POL-Pipeline Facilities
1499	N	12520	Shed-Shelter -for Misc POL-Pipeline Fac
1499	N	14986	Operations Support Shed
1499	N	16210	Gun Emplacement
1499	N	87220	Guard&Watch Towers
1511	A	15110	Pier
1511	AF	151153	Cargo Pier
1511	AF	151155	Liquid Fuel Unloading Pier
1511	N	15110	Ammunition Pier
1511	N	15120	General-Purpose Berthing Pier
1511	N	15130	Fitting-Out Pier
1511	N	15140	Fueling Pier
1511	N	15150	Repair Pier
1511	N	15160	Supply Pier
1511	N	15170	Ordnance Container-Handling Pier
1511	N	15171	Degaussing Pier
1511	N	15180	Deperming Pier
1512	A	15210	Wharf
1512	AF	152111	Wharf
1512	N	15210	Ammunition Wharf
1512	N	15220	General-Purpose Berthing Wharf
1512	N	15230	Fitting-Out Wharf

FAC	Svc	CATCD	CATCODE Title
1512	N	15240	Fueling Wharf
1512	N	15250	Repair Wharf
1512	N	15260	Supply Wharf
1512	N	15270	Ordnance Container-Handling Wharf
1512	N	15271	Degaussing Wharf
1512	N	15280	Deperming Wharf
1531	N	15310	Cargo Staging Area
1541	A	15410	Bulkheads
1541	A	15420	Quay Walls
1541	A	15430	Sea Walls
1541	A	15432	Riprap
1541	AF	154452	Waterfront Improvements
1541	N	15410	Bulkheads
1541	N	15420	Quaywalls
1541	N	15430	Seawalls
1551	A	15510	Small Craft Berthing Facility
1551	N	15510	Fleet Landing
1551	N	15520	Small Craft Berthing
1552	AF	213332	Boat Storage
1552	N	15511	Fleet Landing Building
1552	N	15521	Small-Craft Boathouse
1591	A	15930	Ferry Slip
1591	A	15950	Approach Channel
1591	A	15960	Turning Basin
1591	N	15910	Aircraft Docking Facility
1591	N	15921	Degaussing Range
1591	N	15935	Sound Survey Facility
1591	N	15950	Ferry Slip
1591	N	15966	Landing Craft Ramp
1591	N	15970	Dredge Control-Pumping Facility
1611	N	16120	Fixed-Net-Anchorage
1611	N	16130	Winch House
1611	N	16910	Harbor Entrance Control Facility
1631	A	16310	Offshore Mooring Facility
1631	AF	163311	Liquid Fuel Off-Shore Unloading Facility
1631	N	16310	Mooring Dolphin
1631	N	16320	Mooring Platform
1631	N	16330	Stake-Pile Moorings
1641	A	16410	Breakwater
1641	A	16420	Groin
1641	A	16430	Levee
1641	A	16440	Jetty
1641	A	16450	Mole
1641	AF	164211	Harbor and Coastal Marine Improvements
1641	N	16410	Breakwater
1641	N	16420	Groins or Jetties
1641	N	16430	Levees
1711	A	17120	General Instruction Building
1711	AF	171152	Academic Lecture Hall
1711	AF	171211	Flight Training Classroom
1711	AF	171213	UPT/UNT Flight Training
1711	AF	171618	Field Training Facility
1711	AF	171621	Technical Training Classroom
1711	AF	171627	AETC Technical Training Support
1711	AF	171628	Lauch Operations Training Facility

FAC	Svc	CATCD	CATCODE Title
1711	AF	171712	Target Intelligence Training
1711	AF	171813	Safety Education Facility
1711	AF	171815	NCO Professional Military Education Center
1711	AF	171833	Basic Military Training
1711	AF	171844	Officer Training
1711	AF	171851	Air University Professional/Technical Education
1711	AF	171853	US Air Force Academy Training
1711	N	17110	Academic Instruction Building
1712	A	17131	Compact Item Repair Instructional Building
1712	A	17132	General Item Repair Instructional Building
1712	A	17133	Vehicle Maintenance Instructional Building
1712	A	17134	Aircraft Maintenance Instructional Building
1712	A	17135	Laboratory Instructional Building
1712	A	17136	Automation-Aided Instructional Building
1712	A	17137	Material Handling Instructional Building
1712	A	17138	Limited Use Instructional Building
1712	AF	171393	Celestial and Planetarium Navigational Training
1712	AF	171611	Cryptologic Training [USS]
1712	AF	171623	Technical Training Laboratory/Shop
1712	AF	171625	High-Bay Technical Training Facility
1712	AF	171873	Aerial Port Training Facility
1712	AF	171875	Munitions Load Crew Training
1712	N	17120	Applied Instruction Building
1713	A	17115	Band Training Building
1713	AF	171158	Band Center
1714	A	17140	Army Reserve Center Building
1714	A	17141	Armed Forces Reserve Center Building
1714	A	17142	National Guard/Reserve Center Building
1714	A	17180	National Guard Armory
1714	AF	171443	Reserve Forces General Training Support
1714	AF	171445	Reserve Forces Operational Training
1714	AF	171447	Reserve Forces Communications & Electronics Training
1714	AF	171449	Reserve Forces Aeromedical Evacuation Training
1714	AF	171450	Reserve Component Medical Training
1714	N	17115	Reserve Training Building
1714	N	17140	Drill Hall
1715	A	17125	Physical Education Training Building
1715	AF	171157	Natatorium and Physical Education
1717	A	17119	Organizational Classroom
1718	A	17121	Indoor Firing Range
1718	AF	171475	Range, Small Arms, Indoor
1718	AF	171476	Combat Arms Training Maintenance Building
1718	N	17150	Small Arms Range -- Indoors
1721	AF	171212	Flight Simulator Training
1721	N	17135	Operational Trainer Facility
1722	AF	171214	Physiological Training
1723	A	17170	Gas Chamber
1724	A	17210	Simulator Building (Motion-Based)
1724	A	17211	Simulator Building (Non-Motion-Based)
1724	A	17212	Moving Target Simulator Building
1724	A	17213	Simulations Center
1724	A	17214	Battle Lab
1724	N	17136	Radar Simulator Facility
1725	N	17955	Combat Training Pool/Tank
1731	A	17122	Range or Target House

FAC	Svc	CATCD	CATCODE Title
1731	A	17123	Range Support Building
1731	AF	171471	Range Control House
1731	AF	171472	Range Supply and Equipment Storage
1731	AF	171473	Range Target Storage and Repair
1731	N	14315	Range Operation Center
1732	A	14129	Training Aids Center
1732	AF	171617	Training Aids Shop
1732	N	17145	Mock-Up and Training Aid Preparation Center
1732	N	17177	Training-Material Storage
1733	A	17139	Covered Training Area
1734	A	17971	Observation Tower
1734	A	17972	Observation Bunker
1734	AF	149967	Observation Tower
1734	N	17935	Weapons Range Operations Tower
1741	A	17710	Maneuver/Training Area, Light Forces
1741	A	17711	Maneuver/Training Area, Amphibious Forces
1741	A	17998	Land Navigation Course
1741	A	17999	Field Training Area
1742	A	17720	Maneuver/Training Area, Heavy Forces
1743	A	17730	Impact Area Dudded
1743	A	17731	Impact Area Non-Dudded
1744	A	17991	Personnel/Equipment Drop Zone
1745	A	17980	Parade/Drill Field
1745	N	17960	Parade and Drill Field
1750	A	17813	Automatic Rifle Range
1750	A	17814	Non-Standard Small Arms Range
1750	AF	179475	Small Arms Range System
1750	N	17940	Small Arms Range -- Outdoor
1751	A	17801	Basic 10M-25M Firing Range (Zero)
1752	A	17802	Field Fire Range, Non-Automated
1752	A	17803	Automated Field Fire (AFF) Range
1753	A	17804	Record Fire Range Non-Automated
1753	A	17805	Automated Record Fire (ARF) Range
1753	A	17806	Modified Record Fire Range
1754	A	17807	Night Fire (Small Arms) Range
1754	A	17808	Automated Night Fire (Small Arms) Range
1755	A	17810	Known Distance (KD) Range
1756	A	17811	Sniper Field-Fire Range
1756	A	17812	Automated Sniper Field Fire Range
1757	A	17821	Combat Pistol/MP Firearms Qualification Course
1757	A	17822	Automated Combat Pistol/MP Firearms Qualification Course
1757	A	17823	Submachinegun Range
1758	A	17831	Machine Gun Transition Range
1758	A	17832	Machine Gun Field Fire Range
1758	A	17833	Automated Multipurpose Machine Gun Range (Mpmg)
1758	AF	179476	Machine Gun Range
1760	A	17869	Combat Engineer Vehicle (CEV) Range
1761	A	17884	Grenade Launcher Range
1761	AF	179477	Grenade Launcher Range
1762	A	17834	40Mm (Grenade) Machine Gun Qualification Range
1763	A	17841	Light Antiarmor Weapons (LAW/AT -4) Range Subcaliber
1763	A	17842	Light Antiarmor Weapons (LAW/AT -4) Range Live
1763	A	17843	Recoilless Rifle Range
1764	A	17844	Antiarmor Tracking and Live-Fire Range
1764	A	17845	Automated Antiarmor Tracking and Live-Fire Range

APPENDIX D: FAC-to-Category Code Table

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FAC	Svc	CATCD	CATCODE Title
1765	A	17855	Field Artillery Direct Fire Range
1766	A	17863	Tank/Fighting Vehicle Stationary Gunnery Range
1767	A	17852	Mortar Range
1767	A	17856	Field Artillery Indirect Fire Range
1767	A	17857	Multiple Launch Rocket System Range
1767	N	17930	Surface-Projectile Range
1768	A	17851	Mortar Scaled Range
1768	A	17854	Field Artillery Scaled Range
1769	A	17861	Scaled Gunnery Range (1:30 And 1:60)
1769	A	17862	Scaled Gunnery Range (1:5 And 1:10)
1771	A	17864	Multipurpose Training Range (MPTR)
1771	A	17865	Automated Multipurpose Training Range (MPTR)
1772	A	17866	Tank/Fighting Vehicle Platoon Battle Run (Table XI And XII)
1772	A	17867	Tank/Fighting Vehicle Multipurpose Range Complex, Light, Automated
1772	A	17868	Tank/Fighting Vehicle Multipurpose Range Complex, Heavy, Automated
1773	A	17892	Fire and Movement Range
1774	A	17893	Squad Defense Range
1775	A	17894	Infantry Squad Battle Course
1775	A	17895	Automated Infantry Squad Battle Course
1775	A	17896	Infantry Platoon Battle Course
1775	A	17897	Automated Infantry Platoon Battle Course
1776	A	17898	Mout Assault Course (MAC)
1781	A	17883	Hand Grenade Familiarization Range (Live)
1782	A	17888	Engineer Qualification Range, Non-Standardized
1782	A	17889	Engineer Qualification Range, Automated/Standardized
1783	A	17885	Light Demolition Range
1783	A	17887	Flame Operations Range
1790	A	17816	Bayonet Assault Course
1790	A	17908	Target Detection (TD) Range (Nonfiring)
1790	A	17948	Hand to Hand Combat Pit
1790	A	17949	Prisoner of War Training Area
1790	A	17952	Mine Warfare Area
1790	A	17954	Wheeled Vehicle Drivers Course
1790	A	17955	Tracked Vehicle Drivers Course
1790	A	17956	Amphibious Vehicle Training Area
1790	A	17958	Ship Loading and Unloading Mockup
1790	A	17959	Air Transport Mockup
1790	A	17961	Parachute Landing Fall Platform
1790	A	17962	Suspended Harness Mockup
1790	A	17963	Mockup Jump Tower
1790	A	17964	Underwater Fording Site
1790	A	17965	Combat Trail
1790	A	17966	Rappelling Training Area
1790	A	17968	Road/Airfield Construction Training Site
1790	A	17973	Timber Bridge Area
1790	A	17974	Panel Bridge Area
1790	A	17975	Armored Vehicle Launch Bridge, Raft, and Ford Area
1790	A	17976	Floating Bridge Site
1790	A	17979	Pipeline Construction Training Area
1790	A	17982	Water Supply Training Area
1790	A	17983	Army Airfield Training Area
1790	A	17984	Medium/Heavy Equipment Training Area
1790	A	17987	Decontamination Training Site
1790	A	17988	POL Training Area

FAC	Svc	CATCD	CATCODE Title
1790	A	17989	Laundry Training Facility
1790	A	17993	Pole Orchard
1790	AF	179219	Parachute Swing Training
1790	AF	179371	Training Aids
1790	N	17945	Training Mock-Ups
1790	N	17950	Training Course
1790	N	17970	Radar-Bomb-Scoring Facility
1790	N	17971	Electronic-Warfare Training Range
1790	N	17972	Underwater Tracking-Training Range
1791	A	17910	Aerial Harmonization Range
1791	N	21109	Aircraft Boresight Range
1792	A	17911	Aerial Gunnery Range
1792	A	17912	Aerial Gunnery Range AWSS
1793	A	17913	Close Air Support Range
1793	A	17914	Aerial Bombing Range
1793	AF	179481	Range, Aircraft
1793	N	17910	Aircraft Gunnery-Bombing-Rocket Range
1794	A	17871	Air Defense Gunnery Range
1794	A	17872	Air Defense Missile Firing Range
1795	A	17981	Fire Fighting and Rescue Training Area
1795	AF	179511	Fireman Training Facility
1796	A	17995	Combat in Cities Facility
1796	A	17996	Mout Collective Training Facility (Small)
1796	A	17997	Mout Collective Training Facility (Large)
1797	A	17881	Hand Grenade Accuracy Course (Non-Firing)
1797	A	17882	Hand Grenade Qualification Course (Non-Firing)
1798	A	17891	Infiltration Course
1799	A	17950	Confidence Course
1799	A	17994	Obstacle Course
2111	A	21110	Aircraft Maintenance Hangar
2111	A	21113	Aircraft Parts Storage
2111	A	21114	Aircraft Maintenance Bay
2111	A	21116	Hangar Shop Space
2111	A	21117	Avionics Maintenance Shop, Installation
2111	A	21120	Aircraft Component Maintenance Shop
2111	A	21130	Aircraft Paint Shop
2111	AF	211111	Hangar, Maintenance
2111	AF	211173	Large Aircraft Maintenance Dock
2111	AF	211174	Consolidated Aircraft Maintenance
2111	AF	211175	Medium Aircraft Maintenance Dock
2111	AF	211179	Fuel System Maintenance Dock
2111	N	21104	Pre-Engineered Maintenance Hangar
2111	N	21105	Maintenance Hangar - OH Space
2112	AF	211147	Shelter, Aircraft Weapons Calibration
2112	AF	211152	Shop, Aircraft General Purpose
2112	AF	211153	Shop, Non-Destructive Inspection
2112	AF	211154	Shop, Aircraft Maintenance, Organizational
2112	AF	211161	Corrosion Control Utility Storage
2112	AF	211177	Small Aircraft Maintenance Dock
2112	N	21102	Nose Hangar
2112	N	21106	Maintenance Hangar - 01 Space
2112	N	21108	Airframes Shop
2112	N	21115	Line Maintenance Shelter
2112	N	21121	Engine Maintenance Shop
2112	N	21145	Avionics Shop

FAC	Svc	CATCD	CATCODE Title
2112	N	21154	Aviation Armament Shop
2112	N	21165	Airborne Weapons Support Equipment Shop
2112	N	21175	Parachute/Survival Equipment Shop
2113	AF	211159	Aircraft Corrosion Control
2113	N	21103	Corrosion Control Hangar
2114	A	21140	Aircraft Engine Test Building
2114	AF	211183	Test Cell
2114	N	21101	Aircraft Acoustical Enclosure
2115	AF	211116	Hangar, Maintenance Depot
2116	AF	211157	Shop, Jet Engine Inspection and Maintenance
2116	AF	211251	Shop, Turbine Depot
2116	AF	211252	Shop, RAM/Air Depot
2116	AF	211253	Shop, Alternator Drive Overhaul and Test Depot
2116	AF	211254	Shop, Aircraft and Engine Access Overhaul Depot
2116	AF	211256	Shop, Engine Test and Storage Depot
2116	AF	211271	Shop, Instrument Overhaul Depot
2116	N	21110	Aircraft Overhaul and Repair Shop
2116	N	21111	Corrosion Control-Cleaning Shop
2116	N	21112	Paint and Finishing Hangar
2116	N	21113	Aircraft Non-Destructive Testing Shop
2116	N	21114	Aircraft Rework Shop
2116	N	21120	Aircraft Engine Overhaul Shop
2116	N	21122	Engine Preparation and Storage Shop
2116	N	21123	Engine Examination and Evaluation Shop
2116	N	21124	Dedicated Aircraft Engine Overhaul General Process
2116	N	21125	Jet Engine Overhaul Shop
2116	N	21126	Reciprocating Engine Overhaul Shop
2116	N	21127	Turbine Engine Overhaul Shop
2116	N	21130	Aircraft and Engine Accessories Overhaul Shop
2116	N	21131	Dedicated Aircraft & Engine Accessories Oh Gen Proc
2116	N	21132	Metal Components Shop
2116	N	21133	Non-Metal Components Shop
2116	N	21134	Dynamic Components Shop
2116	N	21135	Hydraulic Components Shop
2116	N	21136	Electrical Components Shop
2116	N	21137	Turbine Accessories Shop
2116	N	21138	Pneumatic Oxygen Shop
2116	N	21139	Optical and Photographic Components Shop
2116	N	21140	Electronics, Communication and Armament System Shop
2116	N	21141	Dedicated Electron,Comm & Armament General Process
2116	N	21142	Electronic System Components Shop
2116	N	21143	Inertial Quality Instrument Overhaul Shop
2116	N	21144	Non-Inertial Quality Instrument Overhaul Shop
2116	N	21150	Aircraft Armament/Missile Rework Shop
2116	N	21151	Dedicated Acft Armament/Missile Rework Gen Purpose
2116	N	21152	Aircraft Weapon Overhaul and Test Shop
2116	N	21153	Air Launched Missile Rework Shop
2116	N	21160	Support Equipment Rework Shop
2116	N	21161	Dedicated Support Equipment Rework Gen Purpose Shop
2116	N	21162	Support Equipment Calibration Shop
2116	N	21163	Ground Support Equipment Rework Shop
2116	N	21164	Ground Support Equipment Holding Shed
2116	N	21170	Manufacturing and Repair Shop
2116	N	21171	Dedicated Manufacturing & Repair Gen Purpose Shop
2116	N	21172	Metal Fabrication/Manufacturing Shop

FAC	Svc	CATCD	CATCODE Title
2116	N	21173	Metal Treatment Shop
2116	N	21174	Non-Metal Fabrication/Manufacturing Shop
2116	N	21176	Miscellaneous Parts/Components Repair Shop
2116	N	21180	Test and Calibration Shop
2116	N	21182	Aircraft Weapons Alignment Shelter
2116	N	21184	Helicopter Blade Test Facility
2116	N	21185	Radome Test Facility
2116	N	21186	Radar/Antenna Test Facility
2116	N	21187	Aircraft Weapons Alignment/Boresight Facility
2116	N	21190	Other Support Facilities
2116	N	21192	Covered Ground Check/Flight Test Facility
2116	N	21193	Engineering Laboratory
2116	N	21195	Material and Equipment Staging/Storage Facility
2116	N	21196	Maintenance - Aircraft/Spares Storage
2116	N	21197	Plant Services for Aircraft Overhaul
2116	N	21198	Aircraft Acoustical Enclosure
2118	A	21141	Aircraft Engine Test Structure
2118	AF	21193	Test Stand
2118	N	21181	Engine Test Cell (Non-NARF)
2118	N	21183	Engine Test Cell (NARF)
2118	N	21188	Power Check Pad with Sound Suppression
2118	N	21189	Power Check Pad without Sound Suppression
2118	N	21191	Uncovered Ramp
2118	N	21194	Aircraft Power Check Facilities
2121	AF	212212	Shop, Missile Assembly
2121	AF	212213	Shop, Tactical Missile, Glide Weapon Maintenance
2121	N	21210	Guided Missiles Integration Facility
2121	N	21230	Missile Assembly&Test Building
2121	N	21277	Guided-Missiles-Spares Storage
2123	AF	212215	Missile Run-up Shop
2123	AF	212216	Shop, Missile Service
2123	AF	212217	Shop, Missile Warhead Assembly and Maintenance
2123	AF	212218	Missile Warhead Maintenance Shop
2123	AF	212219	Shop, Missile Battery
2123	AF	212220	Interated Maintenance Facility
2123	AF	212252	Shop, Pilotless Aircraft
2123	N	21220	Missile Equipment-Maintenance Shop
2124	A	14951	Missile Service Tower
2124	N	21240	Missile Component-Sling-Test-Tower
2125	A	21210	Guided Missile Maintenance Building, Depot Level
2125	A	21220	Guided Missile Launcher Equipment Shop, Depot Level
2131	A	21310	Ship Repair Graving Drydock
2131	N	21310	Drydock
2132	A	21320	Marine Railway
2132	AF	213436	Marine Railway
2132	N	21320	Marine Railway
2133	A	21330	Ship Repair Shop
2133	AF	213363	Shop, Marine Maintenance
2133	N	21330	Shore Intermediate-Maintenance Facility
2133	N	21341	Central-Tool Shop
2133	N	21342	Shipfitting Shop
2133	N	21343	Sheet Metal Shop
2133	N	21344	Forge&Heat-Treat Shop
2133	N	21345	Welding Shop
2133	N	21348	Quality-Assurance Office

FAC	Svc	CATCD	CATCODE Title
2133	N	21349	Inside-Machining Shop
2133	N	21350	Optical Shop
2133	N	21351	Weapons Shop
2133	N	21352	Marine-Machining Shop
2133	N	21353	Boilermaking Shop
2133	N	21354	Electrical Shop
2133	N	21355	Pipefitting Shop
2133	N	21356	Woodworking Shop
2133	N	21357	Electronics Shop
2133	N	21358	Boat Shop
2133	N	21359	Abrasive Blast Facility
2133	N	21360	Paint&Blasting Shop
2133	N	21361	Rigging Shop
2133	N	21362	Sail Loft
2133	N	21363	Foundry
2133	N	21364	Pattern Making Shop
2133	N	21366	Temporary-Services Shop
2134	A	21335	Ship Repair Facility
2134	N	21367	Pumphouse, Drydocks
2134	N	21368	Diver-Change-House
2134	N	21370	Waterfront Service-Support Building
2134	N	21375	Amphibian-Vehicle Maintenance Shop
2134	N	21377	Maintenance Ships-Spares Storage
2135	N	21373	Landing Craft Wash Rack
2135	N	21374	Landing Craft Rinse Facility
2136	N	21365	Nuclear Repair Shop
2137	A	21340	Fixed Crane
2137	N	21340	Fixed-Crane Structures
2141	A	21408	Component Cleaning Facility
2141	A	21410	Vehicle Maintenance Shop
2141	A	21411	Repair Bays, Non-DOL/DPW
2141	A	21412	Maintenance Storage, Non-DOL/DPW
2141	A	21413	Administration and Shop Control, Non-DOL/DPW
2141	A	21414	General Item Repair Shop, Non-DOL/DPW
2141	A	21415	Compact Item Repair Shop, Non-DOL/DPW
2141	A	21416	Missile Maintenance Building
2141	A	21417	Vehicle Paint and Prep Shop, Non-DOL/DPW
2141	A	21470	Oil Storage Building, Non-DOL/DPW
2141	AF	214425	Vehicle Maintenance Shop
2141	AF	214467	Shop, Refueling Vehicle
2141	N	21410	Combat-Vehicle Maintenance Shop
2141	N	21420	Automotive-Vehicle Maintenance Shop
2141	N	21430	Refueling-Vehicle Shop
2141	N	21451	Automotive Organizational Shop
2141	N	21453	Field-Maintenance Shop -Tank/Automotive
2142	A	21435	Major End Item Rebuild Shop, Depot Level
2142	A	21440	Component Rebuild Shop, Depot Level
2142	A	21441	Vehicle Maintenance Facility, Depot Level
2142	A	21445	Tank/Automotive Parts Storage, Depot Level
2142	A	21458	Steam Cleaning Building, Depot Level
2142	A	21462	Steam Cleaning Facility, Depot Level
2142	A	21465	Drum Reconditioning Plant, Depot Level
2143	A	21407	National Guard Vehicle Maintenance Shop
2143	A	21419	Combined Support Maint Shop/Mobilization And Training Equip Site
2144	A	21409	Army Reserve Vehicle Maintenance Shop

FAC	Svc	CATCD	CATCODE Title
2144	A	21418	Area Maintenance Support Activity/Equipment Concentration Site
2145	A	14955	Wash Platform, Organizational
2145	A	14960	Grease Rack
2145	AF	214422	Vehicle Service Rack
2145	AF	833358	Garbage Container Washrack
2145	N	21455	Vehicle Wash-Platform
2145	N	21456	Grease Rack
2146	AF	214469	Transporter/Erector Test Facility
2151	AF	215552	Shop, Weapons and Release Systems
2151	N	21560	Field-Maintenance Shop -Ordnance
2152	A	21510	Small Arms Repair Shop, Depot Level
2152	A	21520	Light Gun Shop, Depot Level
2152	A	21522	Weapon Quality Assurance/Calibration Facility, Depot Level
2152	A	21530	Heavy Gun Shop, Depot Level
2152	AF	215553	Shop, Aircraft Weapons Overhaul Depot
2152	AF	215554	Shop, Ordnance Equipment, Depot
2152	AF	215555	Shop, Cartridge Overhaul Depot
2152	N	21510	Small Arms Shop
2152	N	21520	Light-Gun Shop
2152	N	21530	Heavy-Gun Shop
2152	N	21550	Launcher&Projector Maintenance Shop
2152	N	21650	Special Weapons Shop
2153	A	21540	Special Weapons Shop, Depot Level
2153	AF	215582	Shop, Surveillance and Inspection
2154	A	21545	Weapons Repair Facility, Depot Level
2161	A	21670	Ammunition Inspection, Repair, Repacking Building, Installation
2161	N	21655	Air-Weapons Underwater-Weapons Shop
2162	A	21610	Ammunition Renovation Shop, Depot Level
2162	A	21612	Ammunition Surveillance Shop, Depot Level
2162	A	21620	Rocket Overhaul Shop, Depot Level
2162	A	21622	Explosives Receiving/Servicebuilding, Depot Level
2162	A	21630	Ammunition Demolition Shop, Depot Level
2162	A	21640	Dunnage Building, Depot Level
2162	A	21642	Component Cleaning Shop, Depot Level
2162	A	21650	Ammunition Quality Assurance/Calibration Facility, Depot Level
2162	AF	216642	Shop, Conventional Munitions
2162	N	21605	Change/Relief House
2162	N	21610	Ammunition Rework&Overhaul Shop
2162	N	21620	Rocket Rework&Overhaul Shop
2162	N	21630	Mines&Depth-Charge Rework&Overhaul Shop
2162	N	21640	Torpedo Shop
2162	N	21660	Quality Evaluation Laboratory
2162	N	21677	Ammunition-Explosive Maintenance Storage
2163	A	21632	Ammunition Demolition Facility
2163	A	21660	Ammunition Maintenance Facility, Depot Level
2171	AF	217712	Shop, Avionics
2171	AF	217713	ECM POD Shop and Storage
2171	AF	217722	Shop, ICBM/Tactical Air Control Communications Electronics
2171	AF	217742	Air Force Communications Service Maintenance Facility
2171	AF	217752	Shop, Meteorological Equipment
2171	AF	217762	Shop, Navigational Aids
2171	AF	217812	Shop, Range Warning System Communications-Electronics

APPENDIX D: FAC-to-Category Code Table

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FAC	Svc	CATCD	CATCODE Title
2171	N	21710	Electcn&Comm Maintenance Shop
2171	N	21730	Field Maint Shop(Communications/Electronics)(Marine Corps)
2171	N	21777	Electronics-Spares & Miscellaneous Procured Items & Equip
2172	A	21710	Electronics Maintenance Shop, Depot Level
2172	A	21712	Commo/Electronics Quality Assurance/Calibration Facility, Depot Level
2172	A	21722	Communications/Electronics Component Cleaning Shop, Depot Level
2172	A	21730	Radar Maintenance Shop, Depot Level
2172	A	21740	Avionics Maintenance Shop, Depot Level
2172	AF	217735	Shop, Electrical Overhaul and Test Depot
2172	AF	217736	Radome Overhaul & Test Depot
2173	N	21720	Collimation Tower
2173	N	21740	Antenna Test Range -Ships
2173	N	21750	Sensor Accuracy Check Site
2181	A	21835	Repair Bays, DOL/DPW/IMMA/IMMD
2181	A	21845	Administration and Shop Control, DOL/DPW/IMMA/IMMD
2181	A	21855	Vehicle Paint and Prep Shop, DOL/DPW/IMMA/IMMD
2181	A	21865	Oil Storage Building, DOL/DPW/IMMA/IMMD
2181	A	21870	Maintenance Storage, DOL/DPW/IMMA/IMMD
2181	A	21882	General Item Repair Shop, DOL/DPW/IMMA/IMMD
2181	A	21885	Maintenance Shop, General Purpose
2181	A	21887	Compact Item Repair Shop, DOL/DPW/IMMA/IMMD
2181	AF	218712	Aircraft Support Equipment Shop/Storage Facility
2181	N	21850	Battery Shop
2181	N	21851	Battery Recharging Shop
2181	N	21860	Aircraft Ground-Support-Equipment Shop
2181	N	21861	Ground Support Equipment Holding Shed
2181	N	21891	Mobile Van Shop
2182	A	21840	Railroad Equipment/Engine Maintenance Shop
2182	A	21850	Battery Shop
2182	A	21872	Quality Assurance/Calibration Facility, General Purpose, Installation
2182	A	21879	Procured Item/Equipment Maintenance Facility
2182	A	21881	Airborne Equipment/Parachute Repair Shop
2182	AF	218842	Shop and Shelter for Locomotives
2182	AF	218852	Shop, Survival Equipment
2182	AF	218868	Precision Measurement Equipment Lab
2182	N	21810	Container-Repair&Test Building
2182	N	21820	Construction&Weight-Handling Shop
2182	N	21825	Marine Air-Base-Squadron Facility
2182	N	21830	Drum-Reconditioning Plant
2182	N	21835	Cable Repair House
2182	N	21840	Railroad-Equipment Shop
2182	N	21845	Instrument-Calibration Shop
2182	N	21862	Shipboard-Aircraft Support-Equipment Facility
2182	N	21865	Equipment Holding Shed
2182	N	21868	Production-Equipment Maintenance Shop
2182	N	21870	Office-Equipment Office-Appliance Repair Shop
2182	N	21871	Dental-Equipment Maintenance Building
2182	N	21877	Repair Shop Storage
2182	N	21880	Field-Maintenance Shop -General Supply
2182	N	21890	Aviation Support Equipment Shop
2182	N	21892	Aviation Support/Feeder Shop
2191	A	21910	Engineering/Housing Maintenance Shop

FAC	Svc	CATCD	CATCODE Title
2191	A	21922	Entomology Facility
2191	A	21925	Engineer Maintenance Facility
2191	AF	218827	Shop, Furniture Repair Overseas
2191	AF	219943	Base Engineer Pavements and Grounds Facility
2191	AF	219944	Base Engineer Maintenance Shop
2191	AF	219945	Base Engineer Hospital Maintenance Shop
2191	AF	219946	Base Engineer Covered Storage Facility
2191	AF	219947	Base Engineer Storage Shed
2191	N	21910	Public-Works Shop
2191	N	21920	Pavement and Grounds Equipment Shed
2191	N	21925	Public Works Shops Expendable/Work-In-Process Store
2191	N	21930	Painting and Related Operations Building
2191	N	21977	Public-Works Maintenance Storage
2192	N	21931	Paint-Structure - Related Facilities
2192	N	21940	Sewage Hose Storage Facility
2211	A	22110	Aircraft Engine Assembly Plant
2211	A	22120	Airframe Assembly Plant
2211	A	22122	Aircraft Quality Assurance/Calibration Facility
2211	A	22125	Aircraft Production Structure
2211	AF	221221	Production Aircraft
2211	AF	221222	Production Engines
2211	AF	221223	Aircraft Production Support
2211	AF	221227	Aircraft Production Engine Test Facility
2211	AF	221228	Aircraft Production Final Assembly & Checkout
2211	AF	221229	Aircraft Production Component Manufacture
2211	AF	221231	Aircraft Production Engine Overhaul Facility
2211	N	22110	Aircraft Engine-Assembly Plant
2211	N	22120	Airframe-Assembly Plant
2211	N	22130	Aircraft Accessories -Assembly Plant
2221	A	22210	Guided Missile Assembly Plant
2221	A	22220	Guided Missile Handling and Launcher Plant
2221	A	22228	Guided Missile Quality Assurance/Calibration Facility
2221	A	22230	Guided Missile Production Structure
2221	AF	222222	Production Missiles
2221	AF	222223	Guided Missile Production Facility
2221	AF	222224	Guided Missile Production Facility (Engines)
2221	AF	222225	Guided Missile Production Facility (Component Parts)
2221	AF	222226	Guided Missile Production Facility (Assembly)
2221	AF	228229	Plant Cartographic & Geophysics
2221	N	22210	Missile Assembly-Plant
2221	N	22220	Missile Handling Launch Equipment
2231	N	22310	Fabrication&Assembly Building
2232	N	22320	Ship-Building Ways
2233	N	22330	Ship-Building Drydocks
2241	A	22410	Combat Vehicle Assembly Plant
2241	A	22412	Engine Test Building
2241	A	22416	Heat Treating Shop
2241	A	22422	Plating Shop
2241	A	22430	Machine Shop
2241	A	22434	Tank/Automotive Quality Assurance/Calibration Facility
2241	N	22410	Combat-Vehicle Assembly Plant
2241	N	22420	Automotive-Vehicle Assembly Plant
2242	A	22435	Tank/Automotive Production Structure
2251	A	22510	Small Arms Plant
2251	A	22520	Light Gun Plant

FAC	Svc	CATCD	CATCODE Title
2251	A	22525	Forge Shop
2251	A	22530	Heavy Gun Plant
2251	A	22532	Foundry
2251	A	22535	Welding Shop
2251	A	22537	Machine Shop, Weapons
2251	A	22548	Weapons Quality Assurance/Calibration Facility, Production
2251	N	22510	Small-Arms Plant
2251	N	22520	Light-Gun Plant
2251	N	22530	Heavy-Gun Plant
2251	N	22540	Harbor-Protective-Net Plant
2251	N	22550	Launcher&Projector Plant
2251	N	22560	Armor-Plate Plant
2252	A	22565	Weapons Production Structure
2261	A	22610	Bag Charge Filling Plant
2261	A	22612	Acid Manufacturing Plant
2261	A	22614	Lead Azide Manufacturing Plant
2261	A	22616	Explosive Manufacturing Plant
2261	A	22618	Chemical, Biological, Radiological Plant
2261	A	22620	Case Overhaul and Tank Facility
2261	A	22622	Pyrotechnic Production
2261	A	22624	Metal Parts Production
2261	A	22625	Small Caliber Loading Plant (Under 40MM)
2261	A	22626	Bomb High Explosives Filling Plant
2261	A	22628	Metal Parts Loading Plant
2261	A	22630	Minor Caliber Loading Plant (40-75MM)
2261	A	22632	Ammunition Foundry
2261	A	22635	Medium Caliber Loading Plant (76MM-120MM)
2261	A	22638	Ammunition Quality Assurance/Calibration Facility, Production
2261	A	22640	Major Caliber Loading Plant (Over 120MM)
2261	A	22645	Large Caliber Rocket Motor Loading Plant
2261	A	22650	Medium Caliber Rocket Motor Loading Plant
2261	A	22655	Cast High Explosive Filling Plant
2261	A	22660	Special Weapons Plant
2261	A	22665	Ammunition Washout Facility
2261	A	22670	Case Filling Plant
2261	A	22680	Propellant Plant
2261	AF	226226	Production Armament Explosives
2261	AF	226227	Propellants, Fuels, Oxidizers
2261	N	22610	Bag-Charge-Filling Plant
2261	N	22615	Case-Filling Plant
2261	N	22620	Case-Overhaul Tank-Repair Facility
2261	N	22625	40MM-Loading Plant
2261	N	22630	20MM-Loading Plant
2261	N	22635	Major-Caliber Projectile-Loading Plant
2261	N	22640	Medium-Caliber Projectile-Loading Plant
2261	N	22645	Large-Caliber Rocket-Motor-Loading Plant
2261	N	22650	Medium-Caliber Rocket-Motor-Loading Plant
2261	N	22655	Cast-High-Explosives Filling Plant
2261	N	22660	Special-Weapons Plant
2261	N	22665	Propellant&Related-Chemical Plant
2261	N	22670	Ready-Ammunition-Belting Plant
2261	N	22675	Underwater Demolition Equipment Plant
2261	N	22680	Ammunition-Loading Plant
2261	N	22685	Fuse-Assembly Plant
2261	N	22686	Mine-Assembly Plant

FAC	Svc	CATCD	CATCODE Title
2261	N	22688	Pyrotechnic Production Facility
2262	A	22685	Ammunition Production Structure
2262	N	22656	Cast-High-Explosives Filling Facility
2262	N	22666	Propellant&Related-Chemical Facility
2263	N	22935	Powder-Tank/Flake-Tank Storage
2264	A	21512	Weapon Demilitarization Shop, Depot Level
2264	N	22681	Demilitarization Building
2265	N	22682	Demilitarization Facility
2271	AF	227227	Production Electronics and Communication Equipment
2271	AF	227228	Production Space Systems
2271	N	22710	Radio&Radar Equipment Plant
2271	N	22720	Sonar Equipment Plant
2271	N	22730	Guidance Equipment Plant
2271	N	22735	Printed-Circuit Shop
2281	A	22810	Leather/Textile/Clothing Plant
2281	A	22845	Miscellaneous Procured Item Production Structure
2281	AF	228228	Production Miscellaneous Items and Equipment
2281	N	22810	Parachute&Survival-Equipment Plant
2281	N	22820	Construction Equipment Plant
2281	N	22830	Railroad Equipment Plant
2281	N	22960	Baling Facility
2281	N	22977	Maintenance-Production Storage -Ready Issue Etc
2281	N	22980	Container-Assembly Building
2291	A	22910	Asphalt Plant
2291	A	22920	Concrete Plant
2291	A	22930	Quarry/Rock Crusher Plant
2291	A	22940	Sawmill
2291	AF	229982	Asphalt Plant
2291	AF	229984	Concrete Plant
2291	AF	229987	Rock Crusher Plant
2291	N	22910	Asphalt Plant
2291	N	22920	Concrete-Batching Plant
2291	N	22930	Rock-Crusher Plant
2291	N	22940	Sawmill
3101	A	31010	Chemistry Lab
3101	A	31015	Greenhouse, R&D
3101	A	31020	Metallurgy Lab
3101	A	31030	Nuclear Physics and Chemical Lab
3101	A	31040	Physics Lab
3101	A	31050	Human Engineering Lab
3101	A	31062	Dental Research Lab
3101	A	31063	Wildlife Observation Building
3101	A	31065	Climatic Chamber Building
3101	AF	310911	Physics, Science Laboratories
3101	AF	310912	Sonic, Science Laboratories
3101	AF	310913	Astrophysics Science Laboratories
3101	AF	310914	Personnel Research, Science Laboratories
3101	AF	310915	Chemistry Science Laboratories
3101	AF	310916	Ground Electronics Science Laboratories
3101	AF	310917	Nucleonics, Science Laboratories
3101	AF	310919	Geophysics Science Laboratories
3101	AF	310922	Human Engineering Science Laboratories
3101	AF	310923	Solar Science Laboratories
3101	AF	310924	Radiation, Science Laboratories
3101	AF	310925	Aerospace Environment Science Laboratories

FAC	Svc	CATCD	CATCODE Title
3101	AF	310926	Dynamics Equipment Science Laboratories
3101	AF	310927	Meteorology, Science Laboratories
3101	AF	310928	Civil Engineering Science Laboratories
3101	AF	310929	Biological Science Laboratories
3101	AF	310931	Laser, Science Laboratories
3101	AF	310932	Avionics, Science Laboratories
3101	AF	310933	Materials, Science Laboratories
3101	AF	310943	Nuclear Engineering Test Lab
3101	AF	319442	Equipment Research Engineering
3101	N	31011	Astronomy&Astrophysics Laboratory
3101	N	31013	Chemistry&Toxicology Laboratory
3101	N	31015	Materials Laboratory
3101	N	31017	Optics Laboratory
3101	N	31019	Physics Laboratory
3101	N	31021	Radiation-Effects Laboratory
3101	N	31023	Combined-Research Laboratory
3101	N	31025	Biological Laboratory
3101	N	31027	Environmental Laboratory
3101	N	31029	Animal -Applications Laboratory
3101	N	31033	Computation&Analysis Laboratory
3101	N	31037	Ocean-Sciences Laboratory
3102	A	31060	Medical Research Lab
3102	A	31061	Medical Research Lab Animal Shelter
3102	AF	310921	Medical, Science Laboratories
3102	N	31031	Medical Laboratory
3111	A	31110	Aircraft and Flight Equipment Building
3111	AF	311112	Aircraft Dynamic Research Laboratory
3111	AF	311114	Aircraft Dynamic Research Engineering
3111	AF	311115	Aircraft Dynamic Research Test
3111	AF	311171	Aircraft Research Laboratory
3111	AF	311173	Aircraft Research Engineering
3111	AF	311174	Aircraft Research and Testing
3111	N	31110	Aircraft&Flight-Equipment Laboratory
3111	N	31115	Aircraft Navigational -Equipment Laboratory
3111	N	31120	Aircraft Ground-Support-Equipment Laboratory
3111	N	31125	Aircraft Systems-Intergration Laboratory
3121	A	31210	Astronautical and Geophysical Building
3121	A	31220	Guided Missile Building
3121	AF	312472	Missile and Space Research Laboratories
3121	AF	312476	Missile and Space Research Engineering
3121	AF	312477	Missile and Space Research Testing
3121	AF	312941	Satellite Control Station
3121	N	31210	Guided-Missile Laboratory
3121	N	31215	Missile Navigational-Equipment Laboratory
3121	N	31220	Missile Support -Equipment Laboratory
3121	N	31225	Spacecraft/Satellite Laboratory
3121	N	31230	Missile Systems-Intergration Laboratory
3131	N	31310	Ship-and-Marine Laboratory
3131	N	31315	Ships-and-Marine Navigational-Equipment Laboratory
3131	N	31320	Ships-and-Marine Equipment Laboratory
3131	N	31325	Ships and Marine Systems Intergration Laboratory
3141	A	31410	Ground Transport Equipment Building
3141	N	31410	Ground Transportation Equipment Laboratory
3141	N	31415	Other Ground Equipment Laboratory
3151	A	31510	Ordnance Building

FAC	Svc	CATCD	CATCODE Title
3151	AF	315222	Armament Research Ballistic Laboratory
3151	AF	315236	Armament Research Engineering
3151	AF	315237	Armament Research Testing
3151	AF	315944	Weapons Guidance Laboratory
3151	N	31510	Aircraft Weapon Systems Laboratory
3151	N	31515	Ship Weapon System Laboratory
3151	N	31520	Underwater Weapon System Laboratory
3151	N	31525	Ground Weapon Systems Laboratory
3151	N	31530	Weapon Systems Integration Laboratory
3161	A	31610	Chemical Equipment and Material Building
3161	A	31620	Ammunition/Explosives/Toxics Building
3161	AF	316333	Ammunition, Explosives, and Toxics Laboratory
3161	AF	316337	Ammunitions & Explosives Test Facility
3161	N	31610	Ammunition, Explosives and Toxics Laboratory
3171	A	31710	Communication Equipment Building
3171	A	31720	Detection Equipment Building
3171	A	31730	Electrical Equipment Building
3171	A	31740	Electronic Equipment Building
3171	AF	317311	Electronic Research Laboratory
3171	AF	317315	Electronic Research and Engineering
3171	AF	317316	Electronic Research and Testing
3171	AF	317932	Avionics Research Laboratory
3171	N	31710	Communications Systems Laboratory
3171	N	31715	Detection Systems Laboratory
3171	N	31720	Electrical and Electronics Systems Laboratory
3171	N	31725	Electrical, Electronics and Communication Systems Integration Lab
3181	A	31810	Nuclear Propulsion Building
3181	A	31820	Propulsion Systems Building
3181	AF	318612	Propulsion Research Lab, Air Breathing
3181	AF	318614	Propulsion Research Lab, Non Air Breathing
3181	AF	318615	Propulsion Research Lab, Electric
3181	AF	318632	Propulsion Research Lab, Fuel and Lubricants
3181	N	31810	Propulsion Systems Laboratory
3181	N	31815	Propulsion Fuel Laboratory
3191	A	31910	Nonmetallic Material Building
3191	A	31920	Lab and Test Building, General Purpose
3191	A	31930	Vibration Test Lab
3191	AF	319441	Equipment Research Laboratory
3191	AF	319443	Equipment Research Testing
3191	AF	319946	Material Research Test Laboratory
3191	AF	319951	Test Track Building
3191	AF	319995	Research Equipment Storage
3191	N	31910	Miscellaneous Equipment and Items Laboratory
3191	N	31915	RDT&E Storage Laboratory
3191	N	31920	Civil Engineering Laboratory
3191	N	31925	Human Factors Laboratory
3191	N	31930	Survival Equipment and Clothing Laboratory
3191	N	31935	Metrology and Calibration Laboratory
3191	N	31940	Range Operations and Instrumentation Laboratory
3201	N	32010	Underwater Equipment Laboratory
3201	N	32015	Underwater Navigational Equipment Laboratory
3201	N	32020	Underwater Systems Integration Laboratory
3211	A	32110	Precision Machine Shop
3211	AF	321123	Prototype Model Construction and Assembly
3211	N	32110	Technical Services Laboratory

APPENDIX D: FAC-to-Category Code Table

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FAC	Svc	CATCD	CATCODE Title
3711	A	37110	RDT&E Range Buildings
3712	A	37120	RDT&E Range Structures
3712	A	39080	RDT&E Range Facilities
3712	AF	371475	Missile Instrumentation Station
3712	AF	371484	Missile Radar Station
3712	AF	371485	Missile Theodolite Station
3712	AF	371486	Missile Communications Station
3712	N	37110	Science Systems Range Facility
3712	N	37111	Aircraft Systems Range Facility
3712	N	37112	Missile and Space Systems Range Facility
3712	N	37113	Ships and Marine Systems Range Facility
3712	N	37114	Tank and Automotive Systems Range Facility
3712	N	37115	Weapons and Weapon Systems Range Facility
3712	N	37116	Ammunition, Explosives and Toxics Range Facility
3712	N	37117	Electronic, Communication & Electrical System Range Facility
3712	N	37118	Propulsion Systems Range Facility
3712	N	37119	Miscellaneous Items and Equipment Range Facility
3712	N	37120	Underwater Systems Range Facility
3713	AF	371923	Test Range Complex
3901	A	39010	Aircraft and Flight Equipment Facility
3901	A	39014	Astronautical and Geophysical Facility
3901	A	39018	Chemical Equipment and Material Facility
3901	A	39024	Communication Equipment Facility
3901	A	39028	Detection Equipment Facility
3901	A	39030	Electrical Equipment Facility
3901	A	39034	Electronic Equipment Facility
3901	A	39038	Ground Transport Equipment Facility
3901	A	39040	Guided Missile Facility
3901	A	39064	Propulsion Systems Facility
3901	A	39068	Ordnance Facility
3901	AF	390125	Aerodynamics Wind Tunnel, Subsonic
3901	AF	390129	Aerodynamics Wind Tunnel, Hypersonic
3901	AF	390157	Gas Dynamics Wind Tunnel, Supersonic
3901	AF	390171	Aircraft Research Testing
3901	AF	390221	Armament Research Storage
3901	AF	390224	Armament Research Testing, Structural
3901	AF	390311	Electronic Research Radar
3901	AF	390381	Electronic Research Navaid
3901	AF	390531	Missile Launch Test Facility
3901	AF	390551	Missile Landing Test Facility
3901	AF	390562	Missile Storage, Fuel
3901	AF	390611	Propulsion Engine Testing, Fuel Systems
3901	AF	390612	Propulsion Engine Test Stand
3901	AF	390719	Test Track Building
3901	AF	390915	Research Communication Station Complex
3901	N	14945	Missile Launch-Facility
3901	N	39010	Science Systems Facility
3901	N	39011	Aircraft Systems Facility
3901	N	39012	Missile and Space Systems Facility
3901	N	39013	Ships and Marine Systems Facility
3901	N	39014	Tank and Automotive Systems Facility
3901	N	39015	Weapons and Weapons Systems Facility
3901	N	39016	Ammunition, Explosives and Toxics Facility
3901	N	39017	Electronic, Communication and Electrical Systems Facility
3901	N	39018	Propulsion Systems Facility

FAC	Svc	CATCD	CATCODE Title
3901	N	39019	Miscellaneous Items and Equipment Facility
3901	N	39020	Underwater Systems Facility
3902	A	39069	RDT&E Range
3902	A	39075	RDT&E Range Impact Area
3902	A	39076	RDT&E Drop Zone
3903	AF	390127	Aerodynamics Wind Tunnel, Supersonic
3903	AF	390128	Aerodynamics Wind Tunnel, Transonic
3904	AF	390614	Propulsion Engine Test Cell
4111	A	41110	Marine Fuel Storage, Bulk, Above Ground
4111	A	41111	Marine Fuel Storage, Bulk, Underground
4111	A	41120	Aviation Gas Storage, Above Ground
4111	A	41121	Jet Fuel Storage, Above Ground
4111	A	41122	Aviation Gas Storage, Underground
4111	A	41123	Jet Fuel Storage, Underground
4111	A	41130	Diesel Oil/JP8 Storage, Above Ground
4111	A	41131	Diesel Oil/JP8 Storage, Underground
4111	A	41140	Gasoline Storage, Above Ground
4111	A	41141	Gasoline Storage, Underground
4111	A	41150	Liquified Gas Storage, Above Ground
4111	A	41151	Liquified Gas Storage, Underground
4111	A	41160	Liquid Propellant Storage, Above Ground
4111	A	41161	Liquid Propellant Storage, Underground
4111	A	41180	Fuel Oil Storage, Above Ground
4111	A	41181	Fuel Oil Storage, Underground
4111	AF	411123	Demineralized Water Storage
4111	AF	411127	Water/Alcohol Storage
4111	AF	411128	Special Liquids Storage
4111	AF	411131	Aviation Gas Storage
4111	AF	411134	Diesel Fuel Storage
4111	AF	411135	Jet Fuel Storage
4111	AF	411137	Storage Mogas
4111	AF	411139	Storage Special Fuels
4111	N	41110	Ship-Fuel Storage
4111	N	41120	Aviation-Gasoline Storage
4111	N	41130	Diesel-Fuel Storage
4111	N	41140	Motor-Gasoline Storage
4111	N	41150	Jet Engine-Fuel Storage
4111	N	41160	Liquified-Petroleum - Fuel Gas Strg
4111	N	41182	Contaminated-Fuel Storage
4111	N	41184	Bulk-Heating-Fuel Storage
4121	A	41170	Lubricant Storage
4121	A	41210	Liquid Storage Nonpropellant
4121	AF	411132	Aviation Lubricant Storage
4121	AF	411138	Storage Solvents
4121	N	41215	Road-Oil Storage
4121	N	41225	Lubricant Storage
4121	N	41235	Ballast&Sludge Storage
4121	N	41240	Organic-Liquid Storage
4121	N	41245	Miscellaneous-Liquid Storage
4121	N	41250	Industrial/POL Waste Storage Facility
4122	AF	414913	Special Fuel Facility
4122	AF	442258	Liquid Oxygen Storage
4211	A	42104	Explosive Transfer Building, Depot Level
4211	A	42107	Stradley, Nonatomic Blast Resistant, Depot Level
4211	A	42110	Fuse and Detonator Magazine, Depot Level

FAC	Svc	CATCD	CATCODE Title
4211	A	42120	High Explosive Magazine, Depot Level
4211	A	42150	Smokeless Powder Magazine, Depot Level
4211	A	42160	Special Weapons Magazine, Depot Level
4211	A	42170	Guided Missile Magazine, Depot Level
4211	A	42180	Igloo Storage, Depot Level
4211	A	42181	Ammunition Storehouse, Depot Level
4211	A	42182	Small Arms Ammunition Magazine, Depot Level
4211	A	42183	General Purpose Magazine, Depot Level
4211	A	42184	Ammunition Hut, Depot Level
4211	A	42186	Ammunition Storage Structure, Depot Level
4211	A	42288	Ammo Storage Other Than Depot Or Unit
4211	N	42112	Fuse&Detonator Magazine
4211	N	42122	High-Explosive Magazine
4211	N	42132	Inert Storehouse
4211	N	42142	Smokedrum Storehouse
4211	N	42148	Small-Arms Pyrotechnic Magazine
4211	N	42152	Smokeless-Powder-Projectile Magazine
4211	N	42162	Special -Weapons Magazine
4211	N	42172	Missile Magazine
4221	A	42210	Fuse And Detonator Magazine, Installation
4221	A	42215	High Explosive Magazine, Installation
4221	A	42225	Smokedrum Storehouse, Installation
4221	A	42230	Small Arms Ammunition and Pyrotechnics Magazine, Installation
4221	A	42231	Ammunition Storehouse, Installation
4221	A	42235	Ready Magazine, Installation
4221	A	42240	Fixed Ammunition Magazine, Installation
4221	A	42250	Special Weapons Magazine, Installation
4221	A	42260	Guided Missile Magazine, Installation
4221	A	42280	Igloo Storage, Installation
4221	A	42281	Ammunition Hut, Installation
4221	A	42283	General Purpose Magazine, Installation
4221	A	42285	Unit Small Arms Ammunition Storage, Installation
4221	A	42286	Ammunition Storage Structure, Installation
4221	AF	422253	Storage, Multi-Cubicle Magazine
4221	AF	422256	Storage, Rocket Checkout and Assembly
4221	AF	422257	Storage Segregated Magazine
4221	AF	422258	Storage Magazine Above Ground Type A, B, &C
4221	AF	422259	Missile Storage Facility
4221	AF	422264	Storage Igloo
4221	AF	422265	Inert Spares Storage
4221	AF	422271	Storage, Module Barricaded
4221	AF	422273	Storage Igloo Steel Arch Underpass
4221	N	42135	Ready Magazine
4231	A	42310	Liquid Propellant Storage, Ammunition, Building
4231	A	42311	Liquid Propellant Storage, Ammunition, Facility
4231	A	42312	Liquid Propellant Storage, Ammunition, Structure
4231	AF	423111	Liquid Propellant Ammo Storage
4231	N	42310	Liquid-Propellant Storage
4241	A	42410	Battery Cold Storage Building
4241	N	42410	Weapon-Related Battery Storage
4251	A	42510	Ammunition Storage Pad
4251	N	42510	Open-Ammunition-Storage Pad
4251	N	42520	Container-Holding Yard -Empty
4251	N	42530	Barricaded Module (Open)
4311	A	43110	Cold Storage Building, Depot Level

FAC	Svc	CATCD	CATCODE Title
4311	N	43110	Cold-Storage Warehouse
4321	A	43211	Cold Storage Building, Installation
4321	A	43220	Meat Cutting Plant, Installation
4321	AF	432283	Cold Storage, Base
4321	N	74024	Commissary Cold Storage (Detached)
4411	A	44110	Storage Building, General Purpose, Depot Level
4411	A	44170	Underground Storage Facility, Depot Level
4411	A	44182	Vehicle Storage Building, Depot Level
4411	AF	441758	Warehouse Supplies and Equipment Depot
4411	N	44113	MARCOR Logsupbase Warehouse
4411	N	44114	MARCOR Sassy Warehouse
4412	A	44180	Open Warehouse, Depot Level
4412	A	44181	Vehicle Storage Facility, Depot Level
4412	AF	441628	Shed Supplies and Equipment Depot
4413	A	44135	Hazardous Material Storage, Depot Level
4413	A	44150	Flammable Material Storehouse, Depot Level
4413	A	44160	Radioactive Storage Warehouse, Depot Level
4413	AF	441257	Hazardous Storage Depot
4413	N	21199	Hazardous Material Storehouse
4414	A	44130	Controlled Humidity Warehouse, Depot Level
4421	A	44210	Aircraft Production Parts Storage, Installation
4421	A	44220	Storage Building, General Purpose, Installation
4421	A	44224	Organizational Storage Building
4421	A	44250	Underground Storage Facility, Installation
4421	A	44271	Consolidated Housing Furniture Storage
4421	A	44288	Installation Storage Other Than Depot Or Unit
4421	AF	442758	Warehouse Supply and Equipment Base
4421	AF	442765	Warehouse, Troop Subsistence
4421	AF	442768	Warehouse, Forms and Publications, Base
4421	AF	442769	Housing Supplies and Storage Facility
4421	N	44110	General Warehouse
4421	N	44111	General Warehouse - Marcorps
4421	N	44112	Storage Air-Ground-Organic-Units MARCOR
4421	N	44140	Underground Storage
4421	N	44170	Disposal-Salvage-Scrap Building
4421	N	44171	Integrated Logistics Overhaul and Outfitting Building
4421	N	44172	Servmart
4421	N	44173	MTIS Building
4421	N	73077	Personnel-Support Storage(Rdy-Iss/Shop-Stor/Misc)
4421	N	74077	Community Storage (Ready Issue/Shop Stores/Misc)
4422	A	44222	Storage Shed, General Purpose, Installation
4422	AF	442628	Base Supply and Equipment Base
4422	N	44135	General Storage Shed
4423	A	44228	Hazardous Material Storage Building, Installation
4423	A	44240	Flammable Material Storehouse, Installation
4423	A	44260	Radioactive Storage Warehouse, Installation
4423	AF	442257	Base Hazardous Storage
4423	N	44130	Hazardous&Flammables Storehouse
4424	A	44230	Controlled Humidity Warehouse, Installation
4424	N	44120	Controlled-Humidity Warehouse
4425	A	44262	Vehicle Storage Shed, Installation
4425	A	44263	Vehicle Storage Building, Installation
4425	AF	214428	Vehicle Operations Parking Shed
4426	A	44216	Storage Silo
4427	A	44223	Arms Building For Battalion and Above

FAC	Svc	CATCD	CATCODE Title
4427	AF	171141	Armory, Air Force Academy
4427	N	14345	Armory Small-Arms-Ammunition &EM-GR
4511	A	45110	Open Storage Area, Depot Level
4511	AF	451134	Open Storage, Depot
4521	A	45210	Open Storage Area, Installation
4521	AF	452252	Open Storage Base Supply
4521	AF	452255	Base Civil Engineer Open Storage
4521	AF	452258	Open Storage, Air Freight/Traffic Management Surface Freight
4521	AF	452775	Open Storage, Research and Development
4521	AF	821111	Coal Yard
4521	N	45110	Open Storage Area
4521	N	45170	Extraordinary-Supprt-Dispo Storage Area
5100	A	51010	Medical Center/Hospital
5100	AF	510001	Composite Medical Facility
5100	AF	510125	Medical Command and Administration
5100	AF	510126	Medical/Dental Education and Training
5100	AF	510147	Pharmacy
5100	AF	510148	Physical Therapy
5100	AF	510149	Radiology
5100	AF	510176	Environmental Health
5100	AF	510212	Food Service
5100	AF	510275	Nursing Services
5100	AF	510278	Aeromedical Staging Facility
5100	AF	510342	Obstetrical Service
5100	AF	510672	Surgical Service
5100	AF	510712	Hospital Central Sterilization
5100	AF	510713	Medical Logistics
5100	AF	510915	Patient Welfare
5100	AF	530634	Medical Food Inspection
5100	AF	550145	Occupational Health Clinic
5100	N	51010	Hospital
5100	N	51015	Hospital Branch/Annex
5100	N	51020	Hospital Laundry
5302	A	53020	Laboratory
5302	AF	510143	Pathology
5302	AF	530155	Blood Processing Laboratory
5302	AF	530156	Drug Abuse Detection Laboratory
5302	AF	530311	Radiology Health Laboratory
5302	AF	530411	Occupational Environmental Health Laboratory
5302	AF	530511	Clinical Laboratory Epidemiological
5302	AF	540242	Area Dental Laboratory
5302	N	22835	Ophthalmic-Support Building
5302	N	53020	Laboratory
5302	N	53050	Environmental-Prev-Medicine Laboratory
5303	A	53030	Morgue
5303	AF	730911	Mortuary
5303	N	53030	Morgue
5304	A	53040	Veterinary Facility
5304	A	53045	Animal Shelter
5304	A	74076	MWR Kennel
5304	AF	690798	Kennel, Stray Animals
5304	AF	740270	Animal Clinic
5304	N	53040	Animal House Medical
5304	N	53045	Zoonosis-Control Clinic
5306	A	53060	Medical Warehouse

FAC	Svc	CATCD	CATCODE Title
5306	AF	442515	Medical Storage for War Readiness Material
5306	N	51077	Hospital Medical Storage
5307	A	53070	Ambulance Shelter
5307	A	53071	Ambulance Garage
5307	AF	510264	Ambulance Shelter
5307	N	14310	Emergency Vehicle Garage
5400	A	54010	Dental Clinic
5400	AF	540243	Dental Clinic
5400	N	54010	Dental Clinic
5500	A	53025	Pharmacy
5500	A	55010	Troop Dispensary/Health Clinic
5500	AF	510175	Aerospace Medicine
5500	AF	510411	Air Force Clinic
5500	AF	550147	Medical aid Station
5500	N	53010	Clinic Out-Patient
5500	N	55010	Medical Clinic
6100	A	61050	Administrativebuilding, General Purpose
6100	A	61055	Waiting Area
6100	A	61065	Technical Library
6100	A	61070	Red Cross Building
6100	A	61075	Courtroom
6100	AF	171356	Technical and Professional Library
6100	AF	171822	Recruit Processing
6100	AF	610111	Area Defense Council Office
6100	AF	610112	Law Center
6100	AF	610119	Family Housing Management Office
6100	AF	610121	Vehicle Operations Administration
6100	AF	610122	Base Supply Administration
6100	AF	610123	Air Force Plant Administration Office
6100	AF	610127	Base Engineer Administration
6100	AF	610128	Base Personnel Office
6100	AF	610129	Weapon System Maintenance Management Facility
6100	AF	610142	Traffic Management Facility
6100	AF	610144	Munitions Maintenance Administration
6100	AF	610241	Orderly Room in Dormitory
6100	AF	610249	Wing Headquarters
6100	AF	610281	Headquarters Center
6100	AF	610282	Headquarters Air Force
6100	AF	610284	Headquarters Major Command
6100	AF	610285	Headquarters Numbered Air Force
6100	AF	610286	Headquarters Named/Numbered Division
6100	AF	610287	Headquarters Specified
6100	AF	610311	Documentation Staging Facility
6100	AF	610675	Logistics Facility Depot Operations
6100	AF	610811	Administrative Office, Non Air Force
6100	AF	610911	Social Actions Facility
6100	AF	610913	Disaster Preparedness
6100	AF	610915	Air Force Office of Special Investigations
6100	AF	740717	Red Cross Office
6100	N	17160	Recruit Processing Building
6100	N	61010	Administrative Office
6100	N	61030	Classified Matter Incinerator/Shredder and Building
6100	N	61040	Legal Services Facility
6100	N	61070	Division-Wing Headquarters -CMC Only
6100	N	61077	Administrative Storage (Rdy Iss/Shop Str/Misc)

APPENDIX D: FAC-to-Category Code Table

D-11

FAC	Svc	CATCD	CATCODE Title
6100	N	74012	Red-Cross Navy-Relief
6101	A	14185	Company Headquarters Building
6101	N	61073	Company-Battery Headquarters -CMC Only
6102	A	14182	Brigade Headquarters Building
6102	A	14183	Battalion Headquarters Building
6102	AF	610243	Headquarters, Group
6102	N	61071	Regimental-Group Headquarters -CMC Only
6102	N	61072	Battalion-Squadron Headquarters -CMC Only
6103	A	13185	Print Plant Building
6103	AF	228231	Plant Lithographic Distr Production
6103	AF	610717	Printing Plant
6103	AF	610718	Plant Reproduction
6103	N	22950	Printing Plant
6104	A	13131	Information Processing Center
6104	AF	610711	Data Processing Installation
6104	N	14340	Computer-Program Operations Center
6104	N	61020	Data-Processing-Center
6200	A	62010	Underground Administrative Facility
6200	N	62010	Administrative Facility -Underground
6200	N	62020	Data-Processing-Center - Underground
6200	N	62077	Administrative Storage -Underground-Misc
6900	A	69010	Flagpole
6900	A	69020	Information Stand
6900	A	69030	Facility Information Sign
6900	AF	690252	Bill Board
6900	AF	690432	Base Flag Pole
6900	AF	690792	Covered Review Stand
6900	AF	690795	Open Review Stand
6900	N	69010	Flagpole Billboard Marker
6900	N	69015	Saluting-Battery Gun-Mount
6900	N	69025	Reviewing Stand
6900	N	69030	Classified Material Incinerator/Shredder (No Building)
7110	A	71111	Family Housing, General Officer
7110	A	71112	Family Housing, Colonel
7110	A	71113	Family Housing, Lt Colonel and Major
7110	A	71114	Family Housing, Company Grade and Warrant Officer
7110	A	71115	Family Housing, Senior NCO
7110	A	71116	Family Housing, Junior NCO/Enlisted
7110	A	71117	Family Housing, Other Than Military
7110	AF	711111	Family Housing Capehart
7110	AF	711121	Family Housing Wherry
7110	AF	711131	Family Housing Lanham
7110	AF	711142	Family Housing Appropriated FY 70 and After
7110	AF	711143	Family Housing Appropriated FY 50-69
7110	AF	711144	Family Housing Appropriated Pre FY 1950
7110	AF	711151	Family Housing Surplus Commodity
7110	AF	711161	Family Housing Deutchmark
7110	AF	711171	Family Housing Yen
7110	AF	711181	Family Housing Other
7110	AF	711191	Family Housing Relocatable
7110	AF	711211	Rent Guarantee Family Housing
7110	AF	711221	Family Housing Leased
7110	AF	711231	Family Housing USA
7110	AF	730775	Rectory
7110	N	71120	Wherry Housing - Enlisted

FAC	Svc	CATCD	CATCODE Title
7110	N	71121	Wherry Housing - WO-thru-O3
7110	N	71122	Wherry Housing - O4&O5
7110	N	71123	Wherry Housing - O-6
7110	N	71124	Wherry Housing - O-7 thru O-10
7110	N	71125	Capehart Housing - Enlisted
7110	N	71126	Capehart Housing - WO-thru-O3
7110	N	71127	Capehart Housing - O4&O5
7110	N	71128	Capehart Housing - O-6
7110	N	71129	Capehart Housing - O-7 thru O-10
7110	N	71130	Fund Housing 1950-thru-1969 -Enlisted
7110	N	71131	Fund Housing 1950-thru-1969 -WO-thru-O3
7110	N	71132	Fund Housing 1950-thru-1969 -O4&O5
7110	N	71133	Fund Housing 1950-thru-1969 -O6
7110	N	71134	Fund Housing 1950-thru-1969 -O7-thru-O10
7110	N	71135	Leased Housing - Enlisted
7110	N	71136	Leased Housing - WO-thru-O3
7110	N	71137	Leased Housing - O4&O5
7110	N	71138	Leased Housing - O-6
7110	N	71139	Leased Housing - O-7 thru O-10
7110	N	71140	Fund Housing Before-1950 -Enlisted
7110	N	71141	Fund Housing Before-1950 -WO-thru-O3
7110	N	71142	Fund Housing Before-1950 -O4&O5
7110	N	71143	Fund Housing Before-1950 -O6
7110	N	71144	Fund Housing Before-1950 -O7-thru-O10
7110	N	71150	Surplus-Commodity Housing -Enlisted
7110	N	71151	Surplus-Commodity Housing -WO-thru-O3
7110	N	71152	Surplus-Commodity Housing -O4&O5
7110	N	71153	Surplus-Commodity Housing -O6
7110	N	71154	Surplus-Commodity Housing -O7-thru-O10
7110	N	71155	Foreign-Source Housing Enlisted
7110	N	71156	Foreign-Source Housing -WO thru O-3
7110	N	71157	Foreign-Source Housing -O-4&O-5
7110	N	71158	Foreign-Source Housing -O-6
7110	N	71159	Foreign-Source Housing -O-7 thru O-10
7110	N	71160	Inadequate Lanham Housing - P.L. 85-241
7110	N	71161	Inadequate Lanham Housing - P.L. 849/76Th Cong
7110	N	71162	Inadequate Rental Housing - Pre FY 1967
7110	N	71163	Inadequate Title-III Housing - P.L. 1020/84Th Cong
7110	N	71164	Wherry Housing - Unacquired
7110	N	71165	Rental-Guarantee Housing
7110	N	71170	Fund Housing After-1969 -Enlisted
7110	N	71171	Fund Housing After-1969 -WO-thru-O3
7110	N	71172	Fund Housing After-1969 -O4&O5
7110	N	71173	Fund Housing After-1969 -O6
7110	N	71174	Fund Housing After-1969 -O7-thru-O10
7110	N	71175	Manufactured Housing,Enlisted
7110	N	71176	Manufactured Housing,Officer
7110	N	71178	Family Housing-Base Operating Support Contractor
7120	A	71210	Family Housing Trailers
7120	AF	712244	Family Housing Trailer
7120	N	71145	Relocatable Housing - Enlisted
7120	N	71146	Relocatable Housing - WO-thru-O3
7120	N	71147	Relocatable Housing - O4&O5
7120	N	71148	Relocatable Housing - O-6
7120	N	71149	Relocatable Housing - O-7 thru O-10

FAC	Svc	CATCD	CATCODE Title
7120	N	71210	Trailers-Inadequate
7130	A	71310	Trailer Sites
7130	AF	713366	Trailer Court Parking
7130	N	71310	Trailer-Sites -for Govt Owned Trlrs
7130	N	71311	Trailer-Sites -for Prvt Owned Trlrs
7141	A	71410	Garage, Family Housing, Detached
7141	A	71411	Carport, Family Housing
7141	AF	711311	Family Housing w/Attached Garage
7141	AF	711312	Family Housing Attached Carport
7141	AF	714431	Garage, Family Housing, Detached
7141	AF	714432	Family Housing Detached Carport
7141	N	71410	Garages Detached -Family Housing
7141	N	71420	Detached Carports
7142	A	71420	Detached Storage Building, Family Housing
7142	AF	714433	Family Housing Detached Storage
7142	N	71477	Housing - Detached Miscellaneous Storage
7143	N	71430	Family-Housing -Other Detached Buildings
7143	N	71431	Family-Housing -Other Detached Facilities
7143	N	71432	Community Center
7143	N	71433	Housing Welcome Center (HWC)
7145	A	71450	Trailer Park Service Building
7145	AF	713352	Mobile Home Court Support Facility
7146	AF	714122	Attendants Dining Hall
7146	AF	714124	Attendants Sanitary Facilities
7146	AF	714128	Attendant Quarters
7210	A	72111	Enlisted Unaccompanied Personnel Housing
7210	A	72170	Unaccompanied Personnel Housing, Senior NCO
7210	AF	721312	Dormitory Airman Permanent Party/PCS-Student
7210	N	72111	Bachelor Enlisted Quarters E1/E4
7210	N	72112	Bachelor Enlisted Quarters E5/E6 (Marine Corps E-5 Only)
7210	N	72113	Bachelor Enlisted Quarters E7 thru E9 (Marine Corps E6/E9)
7210	N	72124	Bachelor Enl Qtrs-Marines E1/E4
7210	N	72125	Bachelor Enl Qtrs-Marines E5
7210	N	72126	Bachelor Enl Qtrs-Marines E6/E9
7210	N	72130	Civilian Barracks -GS 01 thru 06
7210	N	72131	Civilian Barracks-Base Operating Support Contractor
7210	N	72146	Berthing - Naval Home
7212	AF	721315	Dormitory Visiting Airman Quarters
7212	N	72121	Bachelor Enl Qtrs-Transient E1/E4
7212	N	72122	Bachelor Enl Qtrs-Transient E5/E6
7212	N	72123	Bachelor Enl Qtrs-Transient E7/E9
7212	N	72153	Transient Personnel Unit Barracks E7-9
7213	A	72121	Transient UPH, Advanced Individual Trainees (AIT)
7213	A	72122	Transient UPH, Advanced Skills Trainees (AST)
7213	N	72114	Class A Student Barracks
7213	N	72117	Officer Candidate School Barracks
7213	N	72118	Naval Academy Preparatory School Barracks
7213	N	72119	Broadened Opportunity For Officer Selection Training Barracks
7213	N	72424	Officer Indoctrination School Barracks
7214	A	72114	Enlisted Barracks, Annual Training
7214	A	72115	Enlisted Barracks, Mobilization
7218	A	72181	Trainee Barracks
7218	AF	721311	Recruits Dormitory
7218	N	72115	Recruit-Type Barracks
7220	A	72210	Dining Facility

FAC	Svc	CATCD	CATCODE Title
7220	AF	721215	Dining Hall in Airman Dormitory
7220	AF	722345	Fast Food Service
7220	AF	722351	Airman Dining Hall - Detached
7220	AF	722356	Dining Hall, Officer, Detached
7220	N	72145	Dining-Facility -Built-In/Attached
7220	N	72210	Enlisted Dining-Facility
7220	N	72231	Dining-Facility -Detached-Civ Pers
7220	N	72241	Dining-Facility -Detached-Com Pers
7220	N	72430	Commissioned-Officers Mess -Closed(Blt-In/Atchd)
7231	A	72310	UPH Laundry Building, Detached
7231	A	72360	Miscellaneous Facilities, Detached
7231	AF	723155	Dayroom Lounge
7231	N	72330	Laundry Detached
7231	N	72360	Troop-Housing -Other Detached Buildings
7231	N	72377	Troop Housing Storage (Ready Issue/Shop Stores/Misc.)
7232	A	72350	Garage, UPH, Detached
7232	A	72351	Carport, UPH
7232	AF	723242	Garage Automobile
7232	N	72340	Garages Detached -Bachelor Housing
7233	AF	723385	Kitchen, Central Preparation
7233	AF	723388	Flight Kitchen
7233	N	72250	Cold-Storage -Detached-From-Galley
7234	AF	723392	Sanitary Latrine
7234	N	72320	Latrine Detached
7235	AF	750663	Privately Owned Vehicle Washrack
7235	N	72350	Wash-Rack Detached
7235	N	72361	Troop-Housing -Other Detached Facilities
7240	A	72410	Unaccompanied Officers Quarters, Military
7240	AF	724415	Officer's Quarters
7240	N	72411	Bachelor Officers' Quarters W1-W2/O1-O2, Permanent Party
7240	N	72412	Bachelor Officers' Quarters W3-W5/O-3 And Above, Permanent Party
7240	N	72422	Civilian Quarters -GS 07 and Above
7240	N	72423	Civilian Quarters-Base Operating Support Contractor
7241	A	72412	Annual Training Officers Quarters
7241	AF	724417	Visiting Officer's Quarters
7241	AF	724433	Cadet Quarters
7241	N	72413	Bachelor Officers' Quarters W1-W2/O1-O2, Transient
7241	N	72414	Bachelor Officers' Quarters W3-W5/O-3 And Above, Transient
7250	A	72510	Hutment
7250	AF	725513	Civilian Camp
7250	AF	725517	Camp Troop
7250	N	72510	Troop-Housing -Emergency Building
7251	A	72520	Tent Pad
7251	N	72511	Troop-Housing -Emergency Facility
7311	A	73010	Fire Station
7311	A	73011	Detached Fire Station Support Building
7311	AF	730142	Fire Station
7311	AF	730145	Fire Observation Tower and Comm Center
7311	AF	730147	Fire Hose House
7311	N	73010	Fire Station
7311	N	73011	Fire-Hose-Drying Structure
7311	N	73012	Fire-Cart/Hose-Drying Facility
7312	A	73015	Confinement Facility
7312	AF	721121	Personnel Rehab Center Facility

FAC	Svc	CATCD	CATCODE Title
7312	AF	721123	Federal Prison Facility
7312	AF	730831	Correction Facility
7312	N	72140	Disciplinary Barracks
7312	N	73015	Confinement Facility
7313	A	73016	Police/MP Station
7313	AF	730832	Visitor Control Center
7313	AF	730833	Security Police Central Control
7313	AF	730835	Security Police Operations
7313	N	73020	Police Station
7314	A	73028	Drug and Alcohol Abuse Center
7314	N	73081	Rehabilitation Center for Drugs & Alcohol
7321	A	73021	Garrison Bread and Pastry Kitchen
7321	AF	730182	Bakery
7321	AF	730186	Pastry Kitchen
7321	N	73030	Bakery
7322	A	22960	Ice Plant
7322	A	73022	Milk Processing Plant
7322	AF	730724	Ice Plant
7322	AF	730725	Ice Cream Plant
7322	N	73078	Dairy Plant
7322	N	89027	Icemaking Plant
7323	A	74029	Greenhouse
7331	A	74051	Exchange Cafeteria
7331	A	74062	Fast Food/Snack Bar
7331	AF	740381	Exchange Cafeteria Snack Bar
7331	N	74004	Exchange Cafeteria
7331	N	74005	Exchange Snack-Stand
7332	A	74012	Cafeteria
7332	A	74013	Canteen
7332	A	74060	Break/Lunch Room
7332	A	74064	Post (Installation) Restaurant
7332	AF	740735	Restaurant , Base
7332	N	73036	Lunch/Locker Room
7332	N	74026	Installation Restaurant
7333	A	74046	Consolidated Open Dining Facility
7333	A	74047	Enlisted Open Dining Facility
7333	A	74048	Officer Open Dining Facility
7333	AF	740612	Open Mess, Airmen
7333	AF	740615	Consolidated Mess
7333	AF	740617	Enlisted Open Mess
7333	AF	740618	Officer Open Mess
7333	N	74060	Commissioned Officers' Mess Open
7333	N	74063	Enlisted-Personnel Club E1-E3
7333	N	74064	Enlisted-Men Mess-Open -E1 thru E-9
7333	N	74066	Petty-Officers Mess-Open -Staff NCO Club
7333	N	74067	Consolidated Officer/Enlisted Personnel Mess Open
7333	N	74069	Petty-Officers Mess-Open -E4-E5-E6-NCO/Club
7333	N	74070	Petty-Officers Mess-Open -CheiE7 thru E9
7340	A	74078	Thrift Shop
7340	AF	740255	Thrift Shop
7340	N	74034	Thrift Shop
7341	A	73013	Bus Station
7341	AF	730277	Bus Station
7341	N	73067	Bus Station
7342	A	14175	Industrial Laundry

FAC	Svc	CATCD	CATCODE Title
7342	A	73030	Laundry/Dry Cleaning Facility
7342	A	73032	Laundry/Dry Cleaning Pick-Up Point
7342	AF	730551	Laundry-Dry Cleaning, Base
7342	AF	730652	Base Dry Cleaning
7342	AF	730711	Base Laundry
7342	AF	730713	Laundry Depot
7342	AF	740384	Exchange Laundry and Drycleaning Plant
7342	N	73040	Laundry/Dry-Cleaning Plant
7342	N	74013	Exchange Laundry-Plant
7342	N	74015	Exchange Dry-Cleaning-Plant
7343	A	74020	Military Clothing Sales Store
7343	AF	218882	Recruit Tailoring Shop
7343	AF	730717	Clothing Store
7343	N	73013	Issue-Retail Clothing&Uniform Center
7343	N	73042	Recruit Tailoring Shop
7344	A	73072	Post Office Branch
7344	A	73073	Post Office, Main
7344	AF	730443	Post Office
7344	N	73085	Post Office
7345	A	74052	Exchange Automotive Service Station
7345	AF	740383	Exchange Service Station
7345	N	74007	Exchange Auto Parts Store (Overseas)
7345	N	74030	Exchange Service&Auto-Repair Station
7345	N	74031	Exchange Supplemental-Gasoline Station
7346	A	74050	Exchange Branch
7346	A	74053	Exchange Main Retail Store
7346	A	74056	Exchange Service Outlet
7346	A	74058	Exchange Concession
7346	AF	740111	Enclosed Mall
7346	AF	740262	Store, Book
7346	AF	740267	Cadet Store
7346	AF	740269	Base Package Store
7346	AF	740379	Exchange Amusement Center
7346	AF	740382	Exchange Branch
7346	AF	740388	Exchange Sales Store
7346	AF	740389	Exchange Service Outlet
7346	AF	740731	Public Shopping Center
7346	N	74001	Exchange Retail-Store
7346	N	74002	Location Exchange (Dispersed Locations/Remote Activities)
7346	N	74008	Exchange Food-Store
7346	N	74009	Exchange Service-Outlets(Barber,Cobbler,Tailor,Etc)
7346	N	74071	Class-VI-Package Store
7347	A	74006	Bank
7347	A	74023	Credit Union
7347	AF	740153	Bank Branch
7347	AF	740155	Credit Union
7347	N	74018	Bank
7347	N	74019	Credit Union
7348	A	74018	MWR Car Wash Building
7348	A	74019	MWR Car Wash
7348	A	74059	Exchange Car Wash
7348	N	74032	Exchange Customer-Operated Car-Wash
7349	A	74021	Commissary
7349	AF	740266	Store, Commissary
7349	N	74023	Commissary (Including Back-Up Storage)

APPENDIX D: FAC-to-Category Code Table

FAC	Svc	CATCD	CATCODE Title
7349	N	74083	Commissary Distrubution Center
7351	A	74025	Army Continuing Education System Facility
7351	AF	730441	Education Center
7351	N	74088	Educational-Services Office
7352	A	73046	Dependent School
7352	AF	730784	School, Dependent Elementary
7352	AF	730785	Dependent High School
7352	AF	730786	Dependent Intermediate School
7352	AF	730788	School, Dependent Kindergarten
7352	N	73050	Dependent School - Kindergarten
7352	N	73055	Dependent School - Gradeschool
7352	N	73060	Dependent School - Highschool
7353	AF	730781	Dep School Dining Hall
7353	AF	730782	Dep School Dorm
7353	AF	730783	Dependent Detached Sport School
7361	A	73017	Chapel
7361	AF	730771	Chapel, Base
7361	AF	730773	Chapel Center
7361	AF	730774	Hospital Chapel
7361	N	73083	Religious Ministry Facilities
7362	A	73018	Religious Education Facility
7362	A	73019	Family Life Center
7362	AF	730772	Religious Education Facility
7362	N	73084	Religious Education Building
7371	A	74014	Child Development Center
7371	AF	730789	School, Dependent Nursery
7371	AF	740884	Child Development Center
7371	N	73045	Dependent School - Nursery School
7371	N	74074	Child Development Center
7372	A	74033	Army Community Services Center
7372	AF	740253	Family Support Center
7372	N	74025	Family-Services-Center
7380	A	74079	Homeless Support Shelter
7381	A	73012	Fire Tower
7381	AF	730151	Forestry Guard Station
7382	A	14178	Employee Changing Building
7382	N	73035	Enlisted Men's Locker Room
7383	A	73050	Air Raid/Fallout Shelter
7383	AF	690625	Troop Shelter
7383	N	73065	Fallout Shelter
7384	A	73056	Smoking Shelter
7384	A	73070	Miscellaneous Shed
7384	AF	730275	Bus Shelter
7384	AF	860616	Railroad Shelter Personnel
7384	N	73066	Personnel Weather-Shelters
7385	A	73075	Separate Toilet/Shower Building
7385	AF	750811	Swimmers Bath House
7385	N	73075	Public Toilet
7385	N	74089	Bathroom
7386	A	73080	Ceremonial Hall
7387	A	74054	Exchange Maintenance Shop
7387	AF	740385	Exchange Maintenance Shop
7387	AF	740386	Exchange Administration
7387	AF	740396	Central Exchange Administration
7387	AF	740398	Central Exchange Support Facility

FAC	Svc	CATCD	CATCODE Title
7387	N	74003	Exchange Central-Administration (At Designated Exchange)
7387	N	74016	Exchange Maintenance-Shop (Equip/Fxture Rpr)
7387	N	74017	Exchange Central-Support-Fac
7387	N	74029	Area-Regional Exchange Administration Building
7388	A	74055	Exchange Warehouse
7388	AF	740387	Exchange Retail Warehouse
7388	AF	740397	Central Exchange Warehouse
7388	N	74085	Exchange Central-Warehouse
7388	N	74086	Exchange Installation-Warehouse
7389	A	73074	Privately Owned Vehicle Inspection Station
7411	A	74022	Skill Development Center, Non-Automotive
7411	AF	740664	Arts and Crafts Center
7411	N	74035	Hobby-Shop -Amatuer Radio
7411	N	74036	Hobby-Shop -Arts&Crafts
7412	A	74024	Automotive Skills Center
7412	AF	740665	Hobby Shop Automotive
7412	N	74038	Hobby-Shop -Automotive
7413	A	74030	Sports Pro Shop
7413	A	74031	Golf Course Maintenance Building
7413	AF	750422	Golf Clubhouse
7413	AF	750423	Golf Equipment Building
7413	N	74080	Golf Club-House
7414	A	74003	Non-Appropriated Fund (NAF) Sales Outlet
7414	A	74085	Private/Organizational Club Building
7414	AF	740315	Rod & Gun Club
7414	AF	740317	Aero Club
7414	N	74075	Aero-Club Facility
7415	A	74011	Bowling Center
7415	AF	740671	Bowling Center
7415	N	74040	Bowling Center
7416	A	74040	Library Branch
7416	A	74041	Library Main
7416	AF	740675	Base Library
7416	N	74076	Library
7417	A	74066	Youth Center
7417	A	74068	Recreation Center
7417	AF	740316	Recreation Center
7417	AF	740668	Miscellaneous Recreation Building
7417	AF	740669	Multi Purpose Recreation Building
7417	AF	740681	Cadet Social Center
7417	AF	740732	Restaurant Fund MWR Facility
7417	AF	740733	Civilian Fund MWR Building
7417	AF	740883	Youth Center
7417	N	74028	Amusement Center
7417	N	74042	Fleet Recreation Center (For Ship Personnel, Near Piers)
7417	N	74054	Recreation Center
7417	N	74055	Youth Center (For Social Activities of 6-19 Year Olds)
7418	A	74070	Indoor Roller Skating Rink
7418	A	74082	Indoor Ice Skating Rink
7418	AF	740678	Skating Rink
7418	N	74046	Skating Rink
7421	A	74028	Physical Fitness Center
7421	A	74069	Community Fitness Center
7421	AF	740673	Field House
7421	AF	740674	Gymnasium

FAC	Svc	CATCD	CATCODE Title
7421	N	74043	Gymnasium
7421	N	74044	Indoor Physicat Fitness Facility
7421	N	74045	Fitness Center
7421	N	74050	Field House
7421	N	74084	Indoor Playing Courts
7422	A	74072	Indoor Swimming Pool
7422	AF	740677	Swimming Pool, Indoor
7422	N	74053	Indoor Swimming Pool
7431	A	74010	Auditorium, General Purpose
7431	AF	740873	Theater, Base
7431	N	17125	General Purpose Auditorium
7431	N	74039	Entertainment Workshop (Drama & Music Center)
7431	N	74056	Theater
7441	A	53080	Fisher House
7441	A	72010	Transient Housing
7441	A	72120	Transient Unaccompanied Personnel Housing
7441	A	72411	Unaccompanied Officers Quarters, Military Transient
7441	A	74032	Guest House
7441	AF	740443	Transient Lodging Facility, Appropriated
7441	AF	740455	Transient Family Aerial Port
7441	AF	740457	Transient Lodging Facility, NA
7441	N	72151	Transient Personnel Unit Barracks E1-E4
7441	N	72152	Transient Personnel Unit Barracks E5-E6
7441	N	74020	Temporary Lodging
7441	N	74022	Transient Housing
7442	A	74036	Recreational Billets
7442	AF	740666	Recreation Site Lodging
7442	N	74081	MWR Operated Rental Cabins
7443	A	74087	Recreation Park Service Building
7443	AF	740459	Transient Lodging Support Facility
7443	AF	750612	Family Camping Support Facility
7444	A	74049	Riding Stable
7444	AF	750583	Riding Stables
7444	N	74079	Riding Stable
7445	A	74009	Boat House
7445	N	74087	Boathouse
7446	A	74034	Community/Conference Center
7446	A	74035	Conservation Building
7446	A	74080	Self Storage Rental Facility
7446	N	74021	Visitors-Reception-Center -at Recruit Trng Ctr Only
7447	A	74065	Recreational Equipment Checkout
7447	A	74075	Recreational Support Building
7447	A	74089	Outdoor Pool Service Building
7447	AF	740672	MWR Supply and NAF Central Storage
7447	AF	750819	Swimming Pool Water Treatment
7447	N	74033	Information, Ticket And Tours (Pleasure/Unofficial Travel)
7447	N	74037	Special-Services Issue&Office
7447	N	74047	Recreation Information, Tickets and Tour Office
7447	N	74048	Contracted Leisure Travel Agency
7447	N	74052	Gun-Skeet-Trap Building
7447	N	74082	Public Telephone Facility
7511	A	75018	Playground, General Purpose
7512	A	75030	Outdoor Swimming Pool
7512	AF	750812	Swimming Pool, Consolidated
7512	AF	750813	Airman Swimming Pool

FAC	Svc	CATCD	CATCODE Title
7512	AF	750815	NCO Swimming Pool
7512	AF	750817	Officer Swimming Pool
7512	N	75030	Outdoor Swimming Pool
7512	N	75031	Outdoor Swimming Pool - Officer
7512	N	75032	Outdoor Swimming Pool -PO
7512	N	75034	Wading Pool
7513	A	75040	Golf Course, 18-Hole
7513	A	75041	Golf Course, 9-Hole
7513	A	75046	Golf Course, 27-Hole
7513	A	75047	Golf Course, 36-Hole
7513	A	75048	Golf Course, 45-Hole
7513	AF	750426	Golf Course, 9 Hole
7513	AF	750427	Golf Course, 18 Hole
7513	N	75040	Golf Course
7514	A	75042	Driving Range
7514	AF	750429	Golf Driving Range
7514	N	75056	Driving Range - Golf
7515	A	75043	Pitch and Putt, 18-Hole
7515	A	75044	Pitch and Putt, 9-Hole
7516	A	75085	Recreation/Picnic Area
7516	N	75057	Recreation Grounds (Picnics, Playgrounds, Etc.)
7517	A	75070	Recreational Pier/Platform
7517	N	75061	Recreational Pier
7518	N	75060	Marina
7521	A	75011	Court Area
7521	AF	750347	Court, Tennis
7521	AF	750349	Court, Recreation
7521	N	75010	Outdoor Playing Courts
7522	A	17992	Physical Education Training Fields
7522	A	75020	Baseball Field
7522	A	75021	Softball Field
7522	A	75022	Multipurpose Athletic Field
7522	AF	750172	Athletic Field, Baseball
7522	AF	750175	Athletic Field, Football/Soccer
7522	AF	750178	Athletic Field, Softball
7522	AF	750179	Athletic Field, Standard
7522	N	75020	Playing Field -Baseball-Football Etc
7523	A	75027	Running Track
7523	AF	750177	Athletic Field, Track
7524	A	75060	Stadium
7524	AF	750211	Stadium
7531	A	75052	Recreational Shelter
7531	AF	750371	Recreation Pavilion
7531	N	74078	Recreation Pavilion
7531	N	75054	Band Stand
7532	A	75050	Outdoor Theater
7532	AF	750835	Theater, Outdoor
7532	N	75050	Outdoor Theatre
7541	A	75086	Recreational Trailer Park/Campground
7541	AF	750611	Family Camping Area
7541	N	75058	Campground
7542	A	75017	Outdoor Ice Skating Rink
7542	A	75024	Archery Range
7542	A	75025	Skeet Field
7542	A	75028	Outdoor Roller Skating Rink

FAC	Svc	CATCD	CATCODE Title
7542	A	75029	Skateboard Park
7542	A	75033	Vehicle Race Track
7542	A	75036	Riding Arena
7542	A	75045	Miniature Golf Course
7542	A	75061	Grandstand/Bleachers
7542	A	75062	Ski Lift
7542	A	75065	Jogging/Fitness/Bike Trail
7542	A	75071	Outdoor Community Fitness Center
7542	A	75087	Boat Ramp
7542	A	75088	Batting Cage
7542	A	75089	Steam Cleaning Facility, Mwr
7542	AF	750348	Platform Tennis
7542	AF	750581	Miscellaneous Outdoor Recreation Facility
7542	AF	750582	Civilian Outdoor Recreation Facility
7542	N	75033	Pool Pump-Filter-Trtmt Facility(Remote)
7542	N	75052	Skeet Range
7543	A	75080	Fish And Wildlife Management Area
7601	A	76010	Museum
7601	AF	171155	Academic Exhibit Facility
7601	AF	760111	Museum Building
7601	N	76010	Museums-Memorial Building
7602	A	76020	Monuments/Memorials
7602	AF	760512	Monuments/Memorials
7602	N	76020	Outdoor Monument-Memorial
7603	A	76030	Cemetery
7603	AF	760511	Cemetery
7603	N	76030	Cemetery
8111	A	81113	Electric Power, Coal-Fired
8111	A	81115	Electric Power, Oil-Fired
8111	A	81117	Electric Power, Gas Fired
8111	A	81121	Electric Power, Nuclear
8111	A	81122	Electric Power, Photovoltaic
8111	A	81171	Electric Power, Hydro
8111	AF	811145	Electric Power Generation Plant
8111	N	81110	Electric Power-Plant -Diesel
8111	N	81125	Electric Power-Plant -Steam
8111	N	81145	Electric Power-Plant -Gas Turbine
8112	A	81150	Uninterruptable Power Supply
8112	A	81160	Standby Generator
8112	AF	811147	Emergency Electric Power Generation Plant
8112	N	81150	Electric Power - Photovoltaic Panels
8112	N	81160	Stand-By Generator Plant (Exclude No-Break Units)
8121	A	81241	Overhead Electric Lines
8121	A	81242	Underground Electric Lines
8121	AF	812223	Primary Distribution Line Overhead
8121	AF	812224	Secondary Distribution Line Overhead
8121	AF	812225	Primary Distribution Line Underground
8121	AF	812226	Secondary Distribution Line Underground
8121	N	81230	Electrical Distribution Lines
8122	A	81230	Exterior Lighting
8122	AF	812926	Exterior Area Lighting
8122	N	81220	Street Lighting
8122	N	81240	Perimeter-Security Lighting
8131	A	81320	Substation
8131	A	81350	Electrical Switching Station

FAC	Svc	CATCD	CATCODE Title
8131	A	81360	Transformers
8131	AF	813228	Electric Switching Station
8131	AF	813231	Electric Substation
8131	N	81212	Transformer-Station - Less Than 500KV
8131	N	81320	Substation More-Than-499KV
8131	N	81330	Switching-Station Sectionalizing-Distribution Circuits
8211	A	82110	Heating Plant, Coal-Fired
8211	A	82117	Heating Plant, Dual-Fuel
8211	A	82118	Heating Plant, Wood-Fired
8211	A	82120	Heating Plant, Oil-Fired
8211	A	82130	Heating Plant, Gas-Fired
8211	A	82140	Heating Plant, Nuclear
8211	A	82150	Heating Plant, Steam
8211	A	82160	Heating Plant, Electric
8211	A	82182	Heating Plant, Solar
8211	A	82187	Heating Plant, Geothermal (Environmental)
8211	AF	821115	Heating Plant 750/3500 BTU
8211	AF	821116	Heating Plant 3500 MBTU and Over
8211	AF	821155	Steam Plant Industrial
8211	N	82112	Heating-Plant Fossil-Fuel -750 to 3500 BH
8211	N	82122	Heating-Plant Fossil-Fuel -Larger Than 3500 BH
8211	N	82130	Heating-Plant Non-Fossil-Fuel -Medium
8211	N	82132	Heating-Plant Non-Fossil-Fuel -Large
8211	N	82140	Steam-Plant -Nuclear All Sizes
8211	N	82150	Steam-Plant -Non-Nuclear
8221	A	82210	Steam Condensate Lines
8221	A	82220	Hot Water Lines
8221	A	82221	Hot/Chilled Water Lines
8221	A	82240	Steam Lines
8221	AF	822245	Hot Water Mains
8221	AF	822265	Steam Heating Mains
8221	N	82212	Steam-Line -from Medium Plant
8221	N	82214	Condensate-Line -to Medium Plant
8221	N	82216	Hot-Water&Ht-Hp Line -to Medium Plant
8221	N	82222	Steam-Line -from Large Plant
8221	N	82224	Condensate-Line -to Large Plant
8221	N	82226	Hot-Water&HT -HP Line -from Large Plant
8231	A	82310	Gas Generating Plant
8231	AF	823111	Heat, Gas, Source
8231	N	82310	Gas-Generating Plant
8232	AF	823244	Gas Storage
8232	N	82320	Gas-Storage Tanks
8241	A	82410	Gas Pipelines
8241	AF	824464	Gas Mains
8241	N	82410	Gas-Mains
8261	A	82610	Air Conditioning/Refrigeration Plant
8261	A	82625	Heat Pump
8261	AF	826122	Air Conditioning Plant 25 to 100 tons
8261	AF	826123	Air Conditioning Plant Over 100 tons
8261	AF	890121	Air Conditioning Plant 5 to 25 Tons
8261	AF	890124	Air Conditioning from Central Plant
8261	AF	890125	Air Conditioning Plant Less Than 5 Tons
8261	N	82620	Chilled-Water Plant -25 to 100 Tons
8261	N	82625	Chilled-Water Plant -Over 100 Tons
8261	N	82630	Air-Conditioning Plant -25 to 100 Tons

APPENDIX D: FAC-to-Category Code Table

FAC	Svc	CATCD	CATCODE Title
8261	N	82640	Air-Conditioning Plant -Over 100 Tons
8261	N	89042	Air-Conditioning Plant -5 to 25 TC
8261	N	89043	Chilled Water Plant 5 to 25 TC
8271	A	82710	Chilled Water Distribution System
8271	AF	827111	Chilled Water Exterior Distribution Line
8271	N	82720	Chilled-Water Transmn-Dist System - 826-20 A/C
8271	N	82725	Chilled-Water Transmn-Dist System - 826-25 A/C
8311	A	83110	Primary Waste Water Treatment
8311	A	83112	Secondary Waste Water Treatment
8311	A	83113	Advanced Waste Water Treatment
8311	AF	831145	Domestic & Industrial Waste Water Treatment
8311	AF	831165	Sewage Treatment and Disposal
8311	N	83110	Sewage&Comb-Sewage Industl-Waste-Trmt Plant
8312	A	83140	Industrial Waste Water Treatment Plant
8312	AF	831155	Industrial Waste Treatment and Disposal
8312	N	83115	Industrial-Waste-Trmt Facility
8313	A	83180	Gravity Oil And Grease Separator
8313	A	83181	Water and Grit Separator
8313	AF	831157	Industrial Waste Fuel Spill Collection
8313	N	83111	Ballast-Contamination-Treatment Facility
8313	N	83116	Oil-Water Separator -Runoff Water
8313	N	87111	Oil/Water Separator-Runoff
8314	A	83120	Septic Tank and Drain Field
8314	A	83130	Raw Sewage Lagoon and Oxidation Pond
8314	AF	831169	Sewage Septic Tank
8314	N	83130	Septic-Tank Drain-Field
8321	A	83210	Sanitary Sewer
8321	A	83220	Combined Sewer
8321	A	83240	Industrial Waste Sewer
8321	A	87110	Storm Sewer
8321	A	87171	Pollutant Drainage System
8321	AF	832255	Industrial Waste Main
8321	AF	832266	Sanitary Sewage Main
8321	AF	871183	Storm Drainage Disposal
8321	N	83120	Outfall Sewer-Line
8321	N	83210	Sanitary Sewer
8321	N	83220	Combined Sewer
8321	N	83240	Industrial-Waste Sewer
8321	N	87110	Storm Sewer
8331	A	83312	Refuse Collection Facility
8331	A	83320	Recycling Facility
8331	AF	833354	Solid Waste Disposal Facility
8331	AF	833356	Solid Waste Repository
8331	N	73082	Beverage-Container Recycling-Center
8331	N	83320	Solid-Waste Grinder Building
8331	N	83321	Solid-Waste Grinder -Nongalley
8332	A	83310	Incinerator Facility
8332	N	83309	Incinerator Building -with Incinerator
8332	N	83310	Incinerator Exterior
8333	A	83410	Sanitary Landfill
8333	AF	833360	Solid Waste Disposal Facility
8333	N	83315	Sanitary/Cut-Fill Disposal Area
8334	A	83420	Hazardous Waste Landfill
8334	AF	833361	Hazardous/Waste Landfill
8411	AF	841162	Commercial Water Supply

FAC	Svc	CATCD	CATCODE Title
8411	AF	841163	Water Surface Supply
8412	A	84110	Water Treatment Plant
8412	A	84125	Filter Plant Facility
8412	A	84150	Chlorinator Facility
8412	AF	841165	Water Supply Treatment Facility
8412	N	84110	Water-Treatment Facilities
8412	N	84115	Nuclear-Reactor Water-Treatment Facility
8412	N	84125	Desalinization Plant
8413	A	84610	Water Storage Tank, Potable
8413	AF	841427	Water Tank Storage
8413	N	84130	Potable-Water Storage-Tank -Elevated
8413	N	84140	Potable-Water Storage-Tank -Ground Level
8414	A	84130	Water Well, Potable
8414	AF	841166	Water Well
8414	N	84150	Wells Potable-Water
8421	A	84210	Water Distribution Lines, Potable
8421	A	84215	Supply Main, Potable
8421	AF	841161	Water Supply Mains
8421	AF	842245	Water Distribution Mains
8421	N	84120	Supply-Mains Pumping-Facilities -Pre-Treatment Only
8421	N	84210	Potable-Water Distribution Line
8422	A	84141	Pump Station, Potable
8422	AF	842249	Water Pump Station
8422	N	84215	Pumping-Stations Potable-Water
8431	N	84340	Fire-Protection Water Well
8432	A	84330	Fire Protection System, Nonpotable
8432	AF	843314	Fire Protection Water Mains
8432	N	84310	Fire-Protection Water Pipelines
8433	A	84730	Fire Protection Pond
8433	AF	843319	Fire Protection Water Storage
8433	N	84330	Fire-Protection Water Tank
8433	N	84335	Fire-Protection Water Reservoir
8434	AF	843316	Water Fire Pumping Station
8434	N	84320	Fire-Protection Water Pumping Station
8441	A	84470	Water Well, Nonpotable
8441	AF	844368	Water Supply Non-Potable
8441	N	84420	Nonpotable-Water Wells
8442	A	84710	Water Storage Tank, Nonpotable
8442	AF	844367	Water Supply Storage, Non-Potable
8442	N	84440	Nonpotable-Water Storage-Tank
8443	A	84620	Reservoir, Potable
8443	A	84720	Reservoir, Nonpotable
8443	AF	841425	Water Storage Reservoir
8443	N	84151	Reservoir Potable-Water
8443	N	84450	Nonpotable-Water Reservoir
8451	A	84510	Water Distribution Lines, Nonpotable
8451	A	87130	Irrigation Facility
8451	AF	845363	Water Supply Main Non-Potable
8451	N	84520	Nonpotable-Water Pipeline
8451	N	87130	Irrigation Facility
8452	A	84472	Pump Station, Nonpotable
8452	N	84430	Nonpotable-Water Pumping-Station
8452	N	84530	Nonpotable-Water Booster Pumping-Station
8452	N	87115	Storm-Water Pumping-Station
8511	A	85110	Cantonement Area Roads, Surfaced

FAC	Svc	CATCD	CATCODE Title
8511	A	85710	Training Area Roads, Surfaced
8511	A	85720	Training Area Tank Trails, Surfaced
8511	AF	851145	Driveway
8511	AF	851147	Road
8511	N	85110	Roads
8512	A	85130	Cantonement Area Roads, Unsurfaced
8512	A	85150	Cantonement Area Tank Trail
8512	A	85715	Training Area Roads, Unsurfaced
8512	A	85725	Training Area Tank Trails, Unsurfaced
8513	A	85120	Vehicle Bridge
8513	A	85730	Training Area Bridge
8513	AF	851142	Road Bridge
8513	N	85120	Vehicular Bridges
8521	A	85210	Organizational Vehicle Parking, Surfaced
8521	A	85215	Nonorganizational Vehicle Parking, Surfaced
8521	A	85218	Nonorganizational Vehicle Parking Garage
8521	AF	852261	Vehicle Parking Operations
8521	AF	852262	Vehicle Parking Non Organizational
8521	AF	852267	Vehicle/Equipment Parking Research and Development
8521	AF	852271	Private Vehicle Parking Compound
8521	N	73080	Employees Parking Building
8521	N	85210	Parking Area
8522	A	85211	Organizational Vehicle Parking, Unsurfaced
8522	A	85216	Nonorganizational Vehicle Parking, Unsurfaced
8523	A	85212	Staging/Marshalling Area
8524	A	85220	Sidewalks and Walkways, Surfaced
8524	A	85221	Sidewalks and Walkways, Unsurfaced
8524	AF	852287	Covered Walkway
8524	AF	852289	Sidewalk
8524	N	85220	Sidewalk
8525	A	85230	Pedestrian Bridges
8525	AF	852282	Walkway Bridge
8525	N	85230	Pedestrian Bridges
8526	A	85225	Pad
8526	AF	132133	Pad, Equipment
8526	AF	171619	Runway Supervisory Unit
8526	AF	890152	Loading and Unloading Area
8526	N	83330	Solid-Waste Stand -Nongalley
8526	N	85235	Other Paved Areas -Exclusive of 100 or 400 CCN
8526	N	85240	Miscellaneous Open-Storage Laydown- Area
8526	N	85241	Building/Trailer Pad With Utility Connect
8601	A	86010	Railroad Tracks
8601	A	86120	Crane Tracks
8601	AF	860617	Railroad Trackage
8601	N	86010	Railroad Trackage
8601	N	86040	Crane-Trackage -Other Than Marine Type
8611	A	86110	Railroad Bridge
8611	A	86140	Coal Trestle
8611	AF	860612	Railroad Bridge
8611	N	86030	Railroad Bridge&Trestle
8612	A	86130	Railroad Scales
8612	N	86041	Railroad Scalehouse
8711	A	87120	Drainage Ditch
8711	N	87120	Drainage Ditch - Not Part of Road System
8712	A	87150	Retaining Structure

FAC	Svc	CATCD	CATCODE Title
8712	AF	871187	Retaining Wall
8712	N	87135	Retaining Wall
8713	A	87140	Dikes
8713	A	89270	Dam
8713	AF	841423	Water Storage Dam
8713	N	87125	Dyke/Dam
8721	A	87210	Fencing and Walls
8721	A	87250	Gate
8721	AF	872245	Fence Boundary
8721	AF	872247	Fence Security/Vehicle Barriers
8721	AF	872248	Fence Interior
8721	N	87210	Station-Security Perimeter-Fencing&Walls
8721	N	87215	Interior Fencing - Not Coded in 872-10
8910	A	89111	Power Plant Building
8910	A	89113	Power Substation/Switching Station Building
8910	A	89115	Environmental Test Laboratory
8910	A	89120	Plant/Utilities Building
8910	A	89121	Heating Plant Building
8910	A	89126	Refrigeration/Air-Conditioning Building
8910	A	89127	Combined Air-Conditioning/Heat Plant Building
8910	A	89131	Sewage/Waste Treatment Building
8910	A	89133	Refuse and Garbage Building
8910	A	89141	Water Supply/Treatment Building, Potable
8910	A	89144	Water Supply Building, Nonpotable
8910	A	89148	Water Storage Building
8910	A	89150	Shredder Facility
8910	AF	811144	Total Energy Plant Building
8910	AF	811149	Electric Power Station Building
8910	AF	821113	Heating From Central Plant
8910	AF	821117	Heating Facility Building
8910	AF	821156	Steam Facility Building
8910	AF	823243	Gas Compressor
8910	AF	823248	Gas Vaporizer
8910	AF	824462	Gas Meter Facility
8910	AF	824466	Gas Odorizer Facility
8910	AF	824468	Gas Valve Facility
8910	AF	831168	Waste Treatment Building
8910	AF	841169	Water Supply Building
8910	AF	845362	Water Supply Non-Potable Building
8910	AF	890123	Air Conditioning Central Plant
8910	AF	890136	Compressed Air Plant Building
8910	N	81109	Electric Power-Plant Building
8910	N	81159	Stand-By Generator Building
8910	N	81209	Electric Distribution-Bldg-Shelter
8910	N	81310	Switching-Substation Building/Shelter
8910	N	82109	Heating-Plant Building
8910	N	82209	Steam-Heat Building/Shelter
8910	N	82309	Gas-Generating Building
8910	N	82315	Gas-Meter Shed/Shelter
8910	N	82610	Refrigeration/Air Conditioning Plant Building
8910	N	82710	Air-Conditioning Valve-House -Shelter-Shed
8910	N	83109	Sewage&Comb-Sewage Industri-Waste-Trmt Building
8910	N	83114	Industrial-Waste-Trmt Building
8910	N	83139	Radioactive-Waste-Handling Building
8910	N	83229	Sewage Pumping-Station Shed-Shelter

FAC	Svc	CATCD	CATCODE Title
8910	N	83340	Garbage House
8910	N	84109	Water-Treatment Facility Building
8910	N	84209	Potable-Water Distribution Building
8910	N	84350	Fire-Protection Valve-House
8910	N	84410	Nonpotable-Water Supply&Storage Building
8910	N	84510	Nonpotable-Water Pipeline Building
8910	N	89009	Miscellaneous Utility-Plant Building
8910	N	89045	Valve-House -Other Shed-Shelter
8910	N	89077	Miscellaneous Utility-System Storage
8921	A	89112	Acetylene Plant
8921	A	89117	Inert Gas Plant
8921	A	89123	Compressed Air Plant
8921	A	89132	Oxygen Plant
8921	AF	229986	Oxygen Generating Plant
8921	AF	890134	Compressed Air Plant
8921	N	89010	Acetylene Plant
8921	N	89015	Nitrogen Plant
8921	N	89020	Compressed-Air Plant
8921	N	89025	Carbon-Dioxide Plant
8921	N	89030	Industrial Oxygen Plant
8922	A	44215	Oxygen Storage Facility, Installation
8922	A	44217	Acetylene Storage Facility, Installation
8922	A	89225	Gas Storage Tanks
8923	A	14971	Vehicle Scales
8923	AF	890197	Weight Scale
8923	N	89056	Weighing Facility
8924	A	83150	Sewage Lift Station
8924	AF	822248	Hot Water Pump Station
8924	AF	822268	Condensate Return Pump Station
8924	AF	832267	Sanitary Sewage Pump Station
8924	AF	871185	Storm Drainage Pumping Station
8924	N	83230	Sewage-and-Indstrl-Waste Pumping-Station
8925	A	89220	Energy Management Control System
8925	AF	890271	Energy Management and Control System Central Station
8925	N	89050	Energy Monitor&Control System
8926	A	45220	Land Farm
8926	AF	831171	Radioactive Waste Burial Site
8926	AF	831172	Disposal Radioactive Waste
8926	AF	831173	Demolition and Burn Facility
8926	N	83140	Radioactive waste-Handling Facility
8926	N	83141	Hazardous Waste Storage and Transfer Facility
8926	N	83142	Hazardous Waste Storage Area
8927	A	13252	Cable Vault
8927	AF	136668	Airfield Light Vault
8927	AF	890187	Utility Vault
8928	A	14970	Loading/Unloading Docks and Ramps
8928	AF	890156	Load/Unloading Pit
8928	AF	890158	Load/Unloading Platform
8928	N	85115	Load/Unload Ramp
8929	A	84450	Chlorinator Facility, Nonpotable
8929	A	89210	Monitoring Wells
8929	A	89215	Environmental Test Facility
8929	A	89226	Vaporizer Station
8929	A	89230	Traffic Signals
8929	A	89235	Frequency Converter

FAC	Svc	CATCD	CATCODE Title
8929	A	89240	Fire Hydrants
8929	A	89250	Railroad Crossing Signals
8929	A	89260	Decorative Fountain/Pond
8929	A	89410	Cooling Tower
8929	AF	740657	Master Television Antenna
8929	AF	812928	Traffic Lights
8929	AF	842246	Water Hydrants
8929	AF	843315	Fire Hydrant
8929	AF	890127	Solar Collection System
8929	AF	890151	Tramway Aerial
8929	AF	890153	Load/Unloading Conveyor
8929	AF	890154	Load/Unloading Gantry Crane
8929	AF	890161	Support Structures
8929	AF	890311	Non-Recoverable Support Facility, Relocatable
8929	N	75035	Activity TV-Antenna (Recvr)
8929	N	75036	TV-Distribution-System
8929	N	87145	Dredged Spoil-Handling Facility
8930	A	89310	Inert Gas Line
8930	A	89320	Compressed Air Line
8930	A	89330	Vacuum Line
8930	AF	890144	Compressed Air Distribution
8930	N	89011	Acetylene Distribution-System
8930	N	89021	Compressed-Air Distribution-System
8930	N	89031	Oxygen Distribution-System
8931	A	89340	Utilidors
8931	AF	890185	Utilidor
8931	N	89046	Utility Tunnel
8951	A	84740	Water Retaining Basin
8951	A	89510	Imhoff Tank
8951	A	89520	Pollutant Catch Basin
8951	A	89530	Sewage Holding Tank
8951	A	89540	Foam Mix Tank
8951	A	89550	Waste POL Storage Tank
8951	A	89560	Hazardous Waste Holding Tank
8951	AF	890171	Miscellaneous Storage Tank
8999	A	88010	Fire Alarm System
8999	A	88020	Watch Reporting System
8999	A	88030	Air Raid Alarm System
8999	A	88040	Intrusion Alarm System
8999	A	88045	Radiation Sensing Device
8999	A	88110	Automatic Water Sprinkler System
8999	A	88120	Special Fire Extinguishing System
8999	A	88130	Standpipe System
8999	A	89280	Lightning Protection System
8999	AF	812921	Electrical Aircraft Outlets
8999	AF	851143	Curbs and Gutters
8999	AF	872841	Security Alarm System
8999	AF	880211	Closed Head Automatic Sprinkler
8999	AF	880212	Open Head Deluge System
8999	AF	880216	Pre-action Sprinkler System
8999	AF	880217	Aqueous Film Forming Foam Pre-action Sprinkler System
8999	AF	880218	High Expansion Foam System
8999	AF	880221	Automatic Fire Detection System
8999	AF	880222	Manual Fire Alarm System, Interior
8999	AF	880223	Manual Fire Alarm System, Exterior

APPENDIX D: FAC-to-Category Code Table

FAC	Svc	CATCD	CATCODE Title
8999	AF	880231	Carbon Dioxide Fire System
8999	AF	880232	Foam Fire System
8999	AF	880233	Other Fire System
8999	AF	880234	Halon 1301 Fire System
8999	AF	880235	Dry Chemical System
8999	AF	880236	Foam System
8999	AF	890181	Utility Line Ducts
8999	AF	890267	Pneumatic Tube
8999	AF	890269	Cathodic Protection
8999	AF	890272	EMCS Field Equipment
8999	AF	890273	EMCS Data Links
8999	N	41170	Vapor-Collect&Recovery System
8999	N	73070	Decontamination Facility
8999	N	88010	Fire-Alarm System
8999	N	88020	Watch-Reporting System
8999	N	88030	Air-Raid-Alarm System
8999	N	88040	Air-Crash/Air-Alert Alarm
8999	N	89080	Centralized Cathodic Protection System
9110	A	91110	Land Purchases and Condemnation
9110	A	91120	Land Donation
9110	A	91130	Purchased Land Transfer from Air Force or Navy
9110	A	91131	Donation Land Transfer from Air Force or Navy
9110	A	91140	Purchased Land Transfer from Other Federal Agencies
9110	A	91141	Donation Land Transfer from Other Federal Agencies
9110	A	91150	Land Set Aside
9110	AF	911125	Land Donation, Private
9110	AF	911127	Land Donation State and Local Government
9110	AF	911142	Land Fee Condemnation
9110	AF	911146	Land Fee Purchase
9110	N	91110	Land - Purchase
9110	N	91120	Land - Donation
9110	N	91130	Land - Transfer
9110	N	91140	Land - Condemnation
9110	N	91150	Land - Exchange
9120	A	91210	Public Domain Withdrawal
9120	AF	912261	Land, Public Domain, Executive Order
9120	AF	912262	Land, Public Domain, Public Land Order
9120	AF	912268	Land, Public Domain, Permit
9120	AF	912269	Land, Public Domain, Note
9120	N	91210	Land - Public Domain, Permanent
9120	N	91215	Land - Set Aside-Hawaii
9120	N	91220	Land - Public Domain, Temporary
9130	A	91310	Public Domain Use Permit Interior
9130	A	91320	Public Domain Permit Air Force or Navy
9130	A	91330	Public Domain Permit Other Agencies

FAC	Svc	CATCD	CATCODE Title
9130	A	91340	Other License or Permit Air Force or Navy
9130	A	91350	Other License or Permit from Other Federal Agencies
9130	A	91360	Other License from Private Ownership
9130	A	91370	Maneuver Rights-License/Permit
9130	AF	913384	Land, License, General Use
9130	AF	913393	Land, Permit, General Use
9130	N	91310	Land - Federal Government Owned-Permit or Agreement
9130	N	91320	Land - Public Domain - License or Permit
9140	A	91410	Public Land Territories and Possessions
9140	AF	914263	Land, Public, Executive Order
9140	N	91410	Land - Public - Temporary or Long Term
9140	N	91420	Land - Public - License or Permit
9210	A	92110	Easements, Purchased or Condemnation
9210	A	92111	Donation Easement
9210	A	92112	Easements Retained During Fee Disposal
9210	A	92120	Purchase Easement Transfer from Air Force or Navy
9210	A	92121	Donation Easement Transfer from Air Force or Navy
9210	A	92130	Purchase Easement Transfer from Other Federal Agencies
9210	A	92131	Donation Easement Transfer from Other Federal Agencies
9210	AF	921164	Land, Easement Clearance, Temp
9210	AF	921167	Land, Easement Restrictive
9210	AF	921168	Land, Easement Right of Way, Temp
9210	AF	921174	Land Easement Clearance, Perpetual
9210	AF	921177	Land Easement Restrictive, Perpetual
9210	AF	921178	Land, Easement Right of Way, Perpetual
9210	N	92110	Land - Restrictive Use Easement-by Purchase
9210	N	92120	Land - Restrictive Use Easement-by Condemnation
9210	N	92130	Land - Other Easement - by Purchase
9210	N	92140	Land - Other Easement - by Condemnation
9210	N	92150	Land - Other Easement - by Exchange
9220	A	92210	Land In Lease
9220	AF	922274	Land, Lease, State & Local
9220	AF	922276	Land, Lease Subject to Recapture
9220	AF	922278	Land, Lease, Private Enter
9220	AF	922292	Land, Lease & Supplement
9220	AF	922294	Land, In-Lease Mineral
9220	AF	922298	Land, In-Lease Other
9220	AF	922355	Foreign Land Lease Under 99 Yr
9220	AF	922357	Foreign Land Lease 99 Years
9220	N	92210	Land - In Lease - from Private Enterprise
9220	N	92220	Land - In Lease from Foreign,State and Local Governments
9220	N	92230	Land - In-Lease - Long Term
9230	A	92310	Treaty or Base Rights Agreement
9230	A	92320	Reciprocal Aid Agreement
9230	A	92330	Requisitioned Land

FAC	Svc	CATCD	CATCODE Title
9230	AF	923322	Foreign Land Agreement Base
9230	AF	923346	Foreign Land Commandeered
9230	AF	923366	Foreign Land Requisitioned
9230	AF	923376	Foreign Land Miscellaneous
9230	N	92310	Land - Foreign, 99-Year Lease
9230	N	92320	Land, Foreign Base Right
9230	N	92360	Land,Foreign,Miscellaneous
9311	AF	931115	Building Improvements
9311	N	93110	Building Acquisition
9321	A	93210	Site Clearing and Grading
9321	A	93220	Landscape Planting
9321	A	93230	Landscape Berms/Mounds
9321	A	93240	Grounds Maintenance
9321	AF	932681	Site Preparation
9321	AF	939445	Training Area
9331	A	93310	Demolition
9331	N	93310	Demolition
9341	A	93410	Cut and Fill
9351	N	16510	Dredging
9391	AF	932581	Revetments
9391	AF	933364	Removal of Hazard
9391	AF	934277	Erosion Control
9391	AF	939512	Aircraft Accident Emergency Alarm System
9391	N	93210	Other Site Improvements - Structure
9391	N	93220	Other Site Improvements - Utility
9411	A	89130	Hazardous Building
9411	A	94010	Land Contaminated
9999	A	13260	Information Systems Communication Equipment
9999	A	17809	Automated Qualification/Training Range (QTR)
9999	A	87255	Fire Breaks
9999	A	89285	Improved Lands
9999	A	89286	Semi-Improved Lands
9999	A	89287	Unimproved Lands
9999	AF	163212	Buoy
9999	AF	890111	Storage and Plant Refrigeration Equipment
9999	AF	890126	Air Conditioning Window Units
9999	AF	939565	Collateral
9999	N	51012	Prepositioned Fleet Hospital (Unassembled)
9999	N	84152	Water Catchment Area
9999	N	87140	Reclaimed Owned Land

APPENDIX E: Air Force Category Code-to-FAC Table

E-1

CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC
111111	1111	131138	1311	141391	1311	149626	1341	171822	6100	214428	4425	229986	8921	319951	3191	442257	4423	610142	6100
111115	1113	131139	1311	141392	1402	149627	1341	171833	1711	214429	1499	229987	2291	319995	3191	442258	4122	610144	6100
112211	1121	131143	1311	141393	1402	149628	1467	171844	1711	214467	2141	310911	3101	321123	3211	442515	5306	610241	6100
113321	1131	132131	1321	141411	1402	149629	1341	171851	1711	214469	2146	310912	3101	371475	3712	442628	4422	610243	6102
116116	1111	132133	8526	141421	1402	149711	1453	171853	1711	215552	2151	310913	3101	371484	3712	442758	4421	610249	6100
116555	1111	132134	1321	141446	1402	149811	1454	171873	1712	215553	2152	310914	3101	371485	3712	442765	4421	610281	6100
116642	1165	133314	1331	141447	1402	149962	1413	171875	1712	215554	2152	310915	3101	371486	3712	442768	4421	610282	6100
116661	1131	134119	1341	141449	1402	149965	1499	179219	1790	215555	2152	310916	3101	371923	3713	442769	4421	610284	6100
116662	1131	134335	1341	141453	1412	149967	1734	179371	1790	215582	2153	310917	3101	390125	3901	451134	4511	610285	6100
116663	1112	134336	1331	141454	1444	149968	1499	179475	1750	216642	2162	310919	3101	390127	3903	452252	4521	610286	6100
116664	1131	134338	1331	141455	1444	151153	1511	179476	1758	217712	2171	310921	3102	390128	3903	452255	4521	610287	6100
116665	1131	134341	1331	141456	1444	151155	1511	179477	1761	217713	2171	310922	3101	390129	3901	452258	4521	610311	6100
116666	1131	134351	1341	141459	1412	152111	1512	179481	1793	217722	2171	310923	3101	390157	3901	452775	4521	610332	1445
116667	1161	134353	1341	141461	1412	154452	1541	179511	1795	217735	2172	310924	3101	390171	3901	510001	5100	610675	6100
116668	1162	134355	1341	141481	1402	159353	1443	211111	2111	217736	2172	310925	3101	390221	3901	510125	5100	610711	6104
116672	1163	134373	1341	141489	1402	163212	9999	211116	2115	217742	2171	310926	3101	390224	3901	510126	5100	610717	6103
116922	1461	134374	1341	141626	1412	163311	1631	211147	2112	217752	2171	310927	3101	390311	3901	510143	5302	610718	6103
116933	1463	134375	1331	141627	1412	164211	1641	211152	2112	217762	2171	310928	3101	390381	3901	510147	5100	610811	6100
116945	1464	134376	1341	141629	1412	171141	4427	211153	2112	217812	2171	310929	3101	390531	3901	510148	5100	610911	6100
121111	1444	134394	1341	141635	1412	171152	1711	211154	2112	218712	2181	310931	3101	390551	3901	510149	5100	610913	6100
121115	1211	134422	1341	141649	1444	171155	7601	211157	2116	218827	2191	310932	3101	390562	3901	510175	5500	610915	6100
121122	1211	134465	1341	141743	1441	171157	1715	211159	2113	218842	2182	310933	3101	390611	3901	510176	5100	690252	6900
121124	1444	134473	1341	141745	1441	171158	1713	211161	2112	218852	2182	310943	3101	390612	3901	510212	5100	690432	6900
122111	1221	134482	1341	141747	1441	171211	1711	211173	2111	218868	2182	311112	3111	390614	3904	510264	5307	690625	7383
123335	1231	134484	1341	141753	1412	171212	1721	211174	2111	218882	7343	311114	3111	390719	3901	510275	5100	690792	6900
124131	1241	134511	1341	141763	1442	171213	1711	211175	2111	219943	2191	311115	3111	390915	3901	510278	5100	690795	6900
124132	1241	134678	1341	141764	1442	171214	1722	211177	2112	219944	2191	311171	3111	411123	4111	510342	5100	690798	5304
124134	1241	135583	1351	141765	1442	171356	6100	211179	2111	219945	2191	311173	3111	411127	4111	510411	5500	711111	7110
124135	1241	135586	1351	141766	1442	171393	1712	211183	2114	219946	2191	311174	3111	411128	4111	510672	5100	711121	7110
124137	1241	136635	1362	141782	1412	171443	1714	211193	2118	219947	2191	312472	3121	411131	4111	510712	5100	711131	7110
124138	1241	136661	1361	141783	1412	171445	1714	211251	2116	221221	2211	312476	3121	411132	4121	510713	5100	711142	7110
124139	1241	136662	1362	141784	1412	171447	1714	211252	2116	221222	2211	312477	3121	411134	4111	510915	5100	711143	7110
125554	1251	136664	1361	141785	1412	171449	1714	211253	2116	221223	2211	312941	3121	411135	4111	530155	5302	711144	7110
125977	1444	136666	1362	141786	1412	171450	1714	211254	2116	221227	2211	315222	3151	411137	4111	530156	5302	711151	7110
126925	1261	136667	1361	141787	1443	171471	1731	211256	2116	221228	2211	315236	3151	411138	4121	530311	5302	711161	7110
126926	1261	136668	8927	141821	1443	171472	1731	211271	2116	221229	2211	315237	3151	411139	4111	530411	5302	711171	7110
130142	1411	141154	1444	141911	1403	171473	1731	212212	2121	221231	2211	315944	3151	422253	4221	530511	5302	711181	7110
131111	1311	141165	1444	141912	1403	171475	1718	212213	2121	222222	2221	316333	3161	422256	4221	530634	5100	711191	7110
131114	1311	141173	1403	141913	4122	171476	1718	212215	2123	222223	2221	316337	3161	422257	4221	540242	5302	711211	7110
131115	1311	141175	1403	141914	1452	171611	1712	212216	2123	222224	2221	317311	3171	422258	4221	540243	5400	711221	7110
131116	1311	141177	1455	141915	1403	171617	1732	212217	2123	222225	2221	317315	3171	422259	4221	550145	5100	711231	7110
131117	1311	141181	1466	149411	1499	171618	1711	212218	2123	222226	2221	317316	3171	422264	4221	550147	5500	711311	7141
131118	1311	141182	1465	149511	1331	171619	8526	212219	2123	226226	2261	317932	3171	422265	4221	610111	6100	711312	7141
131119	1441	141183	1412	149512	1451	171621	1711	212220	2123	226227	2261	318612	3181	422271	4221	610112	6100	712244	7120
131121	1311	141184	1412	149514	1452	171623	1712	212252	2123	227227	2271	318614	3181	422273	4221	610119	6100	713352	7145
131132	1311	141185	1412	149516	1331	171625	1712	213332	1552	227228	2271	318615	3181	422275	1494	610121	6100	713366	7130
131133	1311	141232	1412	149621	1341	171627	1711	213363	2133	228228	2281	318632	3181	423111	4231	610122	6100	714122	7146
131134	1311	141383	1441	149622	1341	171628	1711	213436	2132	228229	2221	319441	3191	432283	4321	610123	6100	714124	7146
131135	1311	141385	1441	149623	1341	171712	1711	214422	2145	228231	6103	319442	3101	441257	4413	610127	6100	714128	7146
131136	1311	141387	1441	149624	1341	171813	1711	214425	2141	229982	2291	319443	3191	441628	4412	610128	6100	714431	7141
131137	1311	141389	1441	149625	1341	171815	1711	214426	1444	229984	2291	319946	3191	441758	4411	610129	6100	714432	7141

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721121	7312	730717	7343	740262	7346	740668	7417	750581	7542	821116	8211	833358	2145	852282	8525	890125	8261	913393	9130		
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730551	7342	740153	7347	740657	8929	750423	7413	821111	4521	832266	8321	852267	8521	890111	9999	912262	9120				
730652	7342	740155	7347	740664	7411	750426	7513	821112	1241	832267	8924	852269	1164	890121	8261	912268	9120				
730711	7342	740253	7372	740665	7412	750427	7513	821113	8910	833354	8331	852271	8521	890123	8910	912269	9120				

APPENDIX F: Army Category Code-to-FAC Table

F-1

CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC
11110	1111	12610	1261	14133	1443	15950	1591	17814	1750	17913	1793	21220	2125	21845	2181	22638	2261	39030	3901										
11111	1114	12615	1261	14140	1443	15960	1591	17816	1790	17914	1793	21310	2131	21850	2182	22640	2261	39034	3901										
11120	1112	12620	1261	14150	1443	16310	1631	17821	1757	17948	1790	21320	2132	21855	2181	22645	2261	39038	3901										
11121	1114	12630	1261	14160	1443	16410	1641	17822	1757	17949	1790	21330	2133	21865	2181	22650	2261	39040	3901										
11130	1112	12640	1261	14161	1404	16420	1641	17823	1757	17950	1799	21335	2134	21870	2181	22655	2261	39064	3901										
11131	1166	12650	1261	14162	1404	16430	1641	17831	1758	17952	1790	21340	2137	21872	2182	22660	2261	39068	3901										
11151	1113	12660	1261	14163	1444	16440	1641	17832	1758	17954	1790	21407	2143	21879	2182	22665	2261	39069	3902										
11212	1121	12670	1261	14164	1499	16450	1641	17833	1758	17955	1790	21408	2141	21881	2182	22670	2261	39075	3902										
11213	1166	13115	1311	14165	1444	17115	1713	17834	1762	17956	1790	21409	2144	21882	2181	22680	2261	39076	3902										
11221	1122	13120	1311	14166	1444	17119	1717	17841	1763	17958	1790	21410	2141	21885	2181	22685	2262	39080	3712										
11222	1166	13125	1311	14167	1499	17120	1711	17842	1763	17959	1790	21411	2141	21887	2181	22810	2281	41110	4111										
11310	1131	13131	6104	14168	1444	17121	1718	17843	1763	17961	1790	21412	2141	21910	2191	22845	2281	41111	4111										
11311	1166	13135	1441	14169	1444	17122	1731	17844	1764	17962	1790	21413	2141	21922	2191	22910	2291	41120	4111										
11320	1131	13140	1311	14170	1499	17123	1731	17845	1764	17963	1790	21414	2141	21925	2191	22920	2291	41121	4111										
11321	1166	13160	1311	14175	7342	17125	1715	17851	1768	17964	1790	21415	2141	22110	2211	22930	2291	41122	4111										
11330	1131	13170	1311	14176	1444	17131	1712	17852	1767	17965	1790	21416	2141	22120	2211	22940	2291	41123	4111										
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12322	1231	13511	1351	14935	1464	17211	1724	17872	1794	17987	1790	21522	2152	22520	2251	31220	3121	42110	4211										
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12412	1241	13613	1361	14953	1499	17710	1741	17884	1761	17992	7522	21610	2162	22535	2251	31620	3161	42170	4211										
12413	1241	13615	1361	14955	2145	17711	1741	17885	1783	17993	1790	21612	2162	22537	2251	31710	3171	42180	4211										
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12441	1241	13621	1361	14960	2145	17730	1743	17887	1783	17995	1796	21622	2162	22565	2252	31730	3171	42182	4211										
12450	1241	13670	1361	14961	1499	17731	1743	17888	1782	17996	1796	21630	2162	22610	2261	31740	3171	42183	4211										
12451	1241	13710	1371	14962	1496	17801	1751	17889	1782	17997	1796	21632	2163	22612	2261	31810	3181	42184	4211										
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12470	1241	14110	1412	14975	1499	17804	1753	17893	1774	21110	2111	21650	2162	22618	2261	31920	3191	42215	4221										
12471	1241	14112	1412	15110	1511	17805	1753	17894	1775	21113	2111	21660	2163	22620	2261	31930	3191	42225	4221										
12472	1241	14113	1498	15210	1512	17806	1753	17895	1775	21114	2111	21670	2161	22622	2261	32110	3211	42230	4221										
12473	1241	14114	1444	15410	1541	17807	1754	17896	1775	21116	2111	21710	2172	22624	2261	37110	3711	42231	4221										
12480	1241	14115	1444	15420	1541	17808	1754	17897	1775	21117	2111	21712	2172	22625	2261	37120	3712	42235	4221										
12481	1241	14116	1442	15430	1541	17809	9999	17898	1776	21120	2111	21722	2172	22626	2261	39010	3901	42240	4221										
12482	1241	14121	1403	15432	1541	17810	1755	17908	1790	21130	2111	21730	2172	22628	2261	39014	3901	42250	4221										
12483	1241	14126	1445	15510	1551	17811	1756	17910	1791	21140	2114	21740	2172	22630	2261	39018	3901	42260	4221										
12510	1251	14129	1732	15610	1431	17812	1756	17911	1792	21141	2118	21835	2181	22632	2261	39024	3901	42280	4221										
12520	1251	14132	1446	15930	1591	17813	1750	179																					

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42285	4221	53025	5500	72310	7231	74020	7343	74079	7380	75089	7542	83140	8312	85225	8526	89133	8910
42286	4221	53030	5303	72350	7232	74021	7349	74080	7446	76010	7601	83150	8924	85230	8525	89141	8910
42288	4211	53040	5304	72351	7232	74022	7411	74082	7418	76020	7602	83180	8313	85710	8511	89144	8910
42310	4231	53045	5304	72360	7231	74023	7347	74085	7414	76030	7603	83181	8313	85715	8512	89148	8910
42311	4231	53060	5306	72410	7240	74024	7412	74087	7443	81113	8111	83210	8321	85720	8511	89150	8910
42312	4231	53070	5307	72411	7441	74025	7351	74089	7447	81115	8111	83220	8321	85725	8512	89210	8929
42410	4241	53071	5307	72412	7241	74028	7421	75011	7521	81117	8111	83240	8321	85730	8513	89215	8929
42510	4251	53080	7441	72510	7250	74029	7323	75017	7542	81121	8111	83310	8332	86010	8601	89220	8925
43110	4311	54010	5400	72520	7251	74030	7413	75018	7511	81122	8111	83312	8331	86110	8611	89225	8922
43211	4321	55010	5500	73010	7311	74031	7413	75020	7522	81150	8112	83320	8331	86120	8601	89226	8929
43220	4321	61050	6100	73011	7311	74032	7441	75021	7522	81160	8112	83410	8333	86130	8612	89230	8929
44110	4411	61055	6100	73012	7381	74033	7372	75022	7522	81171	8111	83420	8334	86140	8611	89235	8929
44130	4414	61065	6100	73013	7341	74034	7446	75024	7542	81230	8122	84110	8412	87110	8321	89240	8929
44135	4413	61070	6100	73015	7312	74035	7446	75025	7542	81241	8121	84125	8412	87120	8711	89250	8929
44150	4413	61075	6100	73016	7313	74036	7442	75027	7523	81242	8121	84130	8414	87130	8451	89260	8929
44160	4413	62010	6200	73017	7361	74040	7416	75028	7542	81320	8131	84141	8422	87140	8713	89270	8713
44170	4411	69010	6900	73018	7362	74041	7416	75029	7542	81350	8131	84150	8412	87150	8712	89280	8999
44180	4412	69020	6900	73019	7362	74046	7333	75030	7512	81360	8131	84210	8421	87171	8321	89285	9999
44181	4412	69030	6900	73021	7321	74047	7333	75033	7542	82110	8211	84215	8421	87210	8721	89286	9999
44182	4411	71111	7110	73022	7322	74048	7333	75036	7542	82117	8211	84330	8432	87250	8721	89287	9999
44210	4421	71112	7110	73028	7314	74049	7444	75040	7513	82118	8211	84450	8929	87255	9999	89310	8930
44215	8922	71113	7110	73030	7342	74050	7346	75041	7513	82120	8211	84470	8441	88010	8999	89320	8930
44216	4426	71114	7110	73032	7342	74051	7331	75042	7514	82130	8211	84472	8452	88020	8999	89330	8930
44217	8922	71115	7110	73046	7352	74052	7345	75043	7515	82140	8211	84510	8451	88030	8999	89340	8931
44220	4421	71116	7110	73050	7383	74053	7346	75044	7515	82150	8211	84610	8413	88040	8999	89410	8929
44222	4422	71117	7110	73056	7384	74054	7387	75045	7542	82160	8211	84620	8443	88045	8999	89510	8951
44223	4427	71210	7120	73070	7384	74055	7388	75046	7513	82182	8211	84710	8442	88110	8999	89520	8951
44224	4421	71310	7130	73072	7344	74056	7346	75047	7513	82187	8211	84720	8443	88120	8999	89530	8951
44228	4423	71410	7141	73073	7344	74058	7346	75048	7513	82210	8221	84730	8433	88130	8999	89540	8951
44230	4424	71411	7141	73074	7389	74059	7348	75050	7532	82220	8221	84740	8951	89111	8910	89550	8951
44240	4423	71420	7142	73075	7385	74060	7332	75052	7531	82221	8221	85110	8511	89112	8921	89560	8951
44250	4421	71450	7145	73080	7386	74062	7331	75060	7524	82240	8221	85120	8513	89113	8910	91110	9110
44260	4423	72010	7441	74003	7414	74064	7332	75061	7542	82310	8231	85130	8512	89115	8910	91120	9110
44262	4425	72111	7210	74006	7347	74065	7447	75062	7542	82410	8241	85150	8512	89117	8921	91130	9110
44263	4425	72114	7214	74009	7445	74066	7417	75065	7542	82610	8261	85210	8521	89120	8910	91131	9110
44271	4421	72115	7214	74010	7431	74068	7417	75070	7517	82625	8261	85211	8522	89121	8910	91140	9110
44288	4421	72120	7441	74011	7415	74069	7421	75071	7542	82710	8271	85212	8523	89123	8921	91141	9110
45110	4511	72121	7213	74012	7332	74070	7418	75080	7543	83110	8311	85215	8521	89126	8910	91150	9110
45210	4521	72122	7213	74013	7332	74072	7422	75085	7516	83112	8311	85216	8522	89127	8910	91210	9120
45220	8926	72170	7210	74014	7371	74075	7447	75086	7541	83113	8311	85218	8521	89130	9411	91310	9130
51010	5100	72181	7218	74018	7348	74076	5304	75087	7542	83120	8314	85220	8524	89131	8910	91320	9130

APPENDIX G: Navy Category Code-to-FAC Table

G-1

CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC
11110	1111	13156	1311	14130	1412	14950	1464	17110	1711	21135	2116	21230	2121	21605	2162	22410	2241	31019	3101		
11115	1112	13160	1311	14140	1412	14985	1467	17115	1714	21136	2116	21240	2124	21610	2162	22420	2241	31021	3101		
11120	1112	13165	1311	14141	1412	14986	1499	17117	1441	21137	2116	21277	2121	21620	2162	22510	2251	31023	3101		
11210	1121	13210	1321	14142	1444	15110	1511	17120	1712	21138	2116	21310	2131	21630	2162	22520	2251	31025	3101		
11320	1131	13240	1321	14160	1441	15120	1511	17125	7431	21139	2116	21320	2132	21640	2162	22530	2251	31027	3101		
11340	1131	13250	1321	14165	1441	15130	1511	17135	1721	21140	2116	21330	2133	21650	2152	22540	2251	31029	3101		
11610	1163	13255	1321	14170	1413	15140	1511	17136	1724	21141	2116	21340	2137	21655	2161	22550	2251	31031	3102		
11615	1167	13315	1331	14181	1412	15150	1511	17140	1714	21142	2116	21341	2133	21660	2162	22560	2251	31033	3101		
11620	1161	13325	1331	14182	1412	15160	1511	17145	1732	21143	2116	21342	2133	21677	2162	22610	2261	31037	3101		
11635	1131	13335	1331	14187	1444	15170	1511	17150	1718	21144	2116	21343	2133	21710	2171	22615	2261	31110	3111		
11640	1164	13365	1331	14188	1465	15171	1511	17160	6100	21145	2112	21344	2133	21720	2173	22620	2261	31115	3111		
11642	1164	13372	1413	14210	1421	15180	1511	17177	1732	21150	2116	21345	2133	21730	2171	22625	2261	31120	3111		
11645	1164	13375	1413	14219	1421	15210	1512	17910	1793	21151	2116	21348	2133	21740	2173	22630	2261	31125	3111		
11650	1131	13380	1331	14220	1422	15220	1512	17930	1767	21152	2116	21349	2133	21750	2173	22635	2261	31210	3121		
11655	1131	13410	1341	14310	5307	15230	1512	17935	1734	21153	2116	21350	2133	21777	2171	22640	2261	31215	3121		
11656	1131	13420	1341	14311	1444	15240	1512	17940	1750	21154	2112	21351	2133	21810	2182	22645	2261	31220	3121		
11660	1164	13440	1341	14315	1731	15250	1512	17945	1790	21160	2116	21352	2133	21820	2182	22650	2261	31225	3121		
11665	1164	13450	1341	14317	1444	15260	1512	17950	1790	21161	2116	21353	2133	21825	2182	22655	2261	31230	3121		
12110	1211	13455	1341	14320	1444	15270	1512	17955	1725	21162	2116	21354	2133	21830	2182	22656	2262	31310	3131		
12120	1211	13460	1341	14321	1443	15271	1512	17960	1745	21163	2116	21355	2133	21835	2182	22660	2261	31315	3131		
12130	1212	13462	1341	14325	1444	15280	1512	17970	1790	21164	2116	21356	2133	21840	2182	22665	2261	31320	3131		
12210	1221	13464	1341	14328	1444	15310	1531	17971	1790	21165	2112	21357	2133	21845	2182	22666	2262	31325	3131		
12220	1221	13466	1341	14330	1441	15410	1541	17972	1790	21170	2116	21358	2133	21850	2181	22670	2261	31410	3141		
12310	1231	13470	1341	14335	1444	15420	1541	21101	2114	21171	2116	21359	2133	21851	2181	22675	2261	31415	3141		
12315	1444	13471	1341	14340	6104	15430	1541	21102	2112	21172	2116	21360	2133	21860	2181	22680	2261	31510	3151		
12420	1241	13510	1351	14341	1431	15510	1551	21103	2113	21173	2116	21361	2133	21861	2181	22681	2264	31515	3151		
12430	1241	13520	1351	14345	4427	15511	1552	21104	2111	21174	2116	21362	2133	21862	2182	22682	2265	31520	3151		
12440	1241	13610	1361	14346	1446	15520	1551	21105	2111	21175	2112	21363	2133	21865	2182	22685	2261	31525	3151		
12450	1241	13620	1361	14347	1446	15521	1552	21106	2112	21176	2116	21364	2133	21868	2182	22686	2261	31530	3151		
12465	1241	13630	1361	14355	1444	15610	1443	21107	1444	21180	2116	21365	2136	21870	2182	22688	2261	31610	3161		
12470	1241	13635	1361	14360	1431	15620	1443	21108	2112	21181	2118	21366	2133	21871	2182	22710	2271	31710	3171		
12510	1251	13636	1362	14365	1431	15910	1591	21109	1791	21182	2116	21367	2134	21877	2182	22720	2271	31715	3171		
12516	1499	13645	1362	14370	1442	15920	1431	21110	2116	21183	2118	21368	2134	21880	2182	22730	2271	31720	3171		
12520	1499	13650	1361	14375	1442	15921	1591	21111	2116	21184	2116	21370	2134	21890	2182	22735	2271	31725	3171		
12610	1261	13655	1362	14377	1443	15930	1431	21112	2116	21185	2116	21373	2135	21891	2181	22810	2281	31810	3181		
12630	1261	13660	1362	14378	1443	15935	1591	21113	2116	21186	2116	21374	2135	21892	2182	22820	2281	31815	3181		
12640	1261	13665	1361	14380	1444	15950	1591	21114	2116	21187	2116	21375	2134	21910	2191	22830	2281	31910	3191		
13110	1311	13710	1371	14810	1481	15964	1431	21115	2112	21188	2118	21377	2134	21920	2191	22835	5302	31915	3191		
13115	1311	13720	1371	14815	1491	15966	1591	21120	2116	21189	2118	21410	2141	21925	2191	22910	2291	31920	3191		
13117	1311	13730	1371	14817	1456	15970	1591	21121	2112	21190	2116	21420	2141	21930	2191	22920	2291	31925	3191		
13120	1311	13732	1371	14820	1497	16120	1611	21122	2116	21191	2118	21430	2141	21931	2192	22930	2291	31930	3191		
13122	1311	13733	1371	14825	1492	16130	1611	21123	2116	21192	2116	21440	1444	21940	2192	22935	2263	31935	3191		
13124	1311	13740	1371	14830	1493	16210	1499	21124	2116	21193	2116	21451	2141	21977	2191	22940	2291	31940	3191		
13125	1311	13810	1381	14835	1492	16310	1631	21125	2116	21194	2118	21453	2141	22110	2211	22950	6103	32010	3201		
13130	1311	13820	1381	14840	1492	16320	1631	21126	2116	21195	2116	21455	2145	22120	2211	22960	2281	32015	3201		
13135	1311	13825	1381	14845	1492	16330	1631	21127	2116	21196	2116	21456	2145	22130	2211	22977	2281	32020	3201		
13140	1311	14111	1412	14910	1495	16410	1641	21130	2116	21197	2116	21510	2152	22210	2221	22980	2281	32110	3211		
13142	1311	14112	1412	14915	1467	16420	1641	21131	2116	21198	2116	21520	2152	22220	2221	31011	3101	37110	3712		
13145	1311	14113	1412	14920	1462	16430	1641	21132	2116	21199	4413	21530	2152	22310	2231	31013	3101	37111	3712		
13150	1311	14120	1411	14930	1461	16510	9351	21133	2116	21210	2121	21550	2152	22320	2232	31015	3101	37112	3712		
13155	1311	14125	1411	14945	3901	16910	1611	21134	2116	21220	2123	21560	2151	22330	2233	31017	3101	37113	3712		

CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC	CATCODE	FAC
37114	3712	44111	4421	71127	7110	71410	7141	73010	7311	74025	7372	74087	7445	82214	8221	84151	8443	89010	8921
37115	3712	44112	4421	71128	7110	71420	7141	73011	7311	74026	7332	74088	7351	82216	8221	84152	9999	89011	8930
37116	3712	44113	4411	71129	7110	71430	7143	73012	7311	74027	1441	74089	7385	82222	8221	84209	8910	89015	8921
37117	3712	44114	4411	71130	7110	71431	7143	73013	7343	74028	7417	75010	7521	82224	8221	84210	8421	89020	8921
37118	3712	44120	4424	71131	7110	71432	7143	73015	7312	74029	7387	75020	7522	82226	8221	84215	8422	89021	8930
37119	3712	44130	4423	71132	7110	71433	7143	73020	7313	74030	7345	75030	7512	82309	8910	84310	8432	89025	8921
37120	3712	44135	4422	71133	7110	71477	7142	73025	1498	74031	7345	75031	7512	82310	8231	84320	8434	89027	7322
39010	3901	44140	4421	71134	7110	72111	7210	73030	7321	74032	7348	75032	7512	82315	8910	84330	8433	89030	8921
39011	3901	44170	4421	71135	7110	72112	7210	73035	7382	74033	7447	75033	7542	82320	8232	84335	8433	89031	8930
39012	3901	44171	4421	71136	7110	72113	7210	73036	7332	74034	7340	75034	7512	82410	8241	84340	8431	89042	8261
39013	3901	44172	4421	71137	7110	72114	7213	73040	7342	74035	7411	75035	8929	82610	8910	84350	8910	89043	8261
39014	3901	44173	4421	71138	7110	72115	7218	73042	7343	74036	7411	75036	8929	82620	8261	84410	8910	89045	8910
39015	3901	45110	4521	71139	7110	72117	7213	73045	7371	74037	7447	75040	7513	82625	8261	84420	8441	89046	8931
39016	3901	45170	4521	71140	7110	72118	7213	73050	7352	74038	7412	75050	7532	82630	8261	84430	8452	89050	8925
39017	3901	51010	5100	71141	7110	72119	7213	73055	7352	74039	7431	75052	7542	82640	8261	84440	8442	89056	8923
39018	3901	51012	9999	71142	7110	72121	7212	73060	7352	74040	7415	75054	7531	82710	8910	84450	8443	89077	8910
39019	3901	51015	5100	71143	7110	72122	7212	73065	7383	74042	7417	75056	7514	82720	8271	84510	8910	89080	8999
39020	3901	51020	5100	71144	7110	72123	7212	73066	7384	74043	7421	75057	7516	82725	8271	84520	8451	91110	9110
41110	4111	51077	5306	71145	7120	72124	7210	73067	7341	74044	7421	75058	7541	83109	8910	84530	8452	91120	9110
41120	4111	53010	5500	71146	7120	72125	7210	73070	8999	74045	7421	75060	7518	83110	8311	85110	8511	91130	9110
41130	4111	53020	5302	71147	7120	72126	7210	73075	7385	74046	7418	75061	7517	83111	8313	85115	8928	91140	9110
41140	4111	53030	5303	71148	7120	72130	7210	73076	1445	74047	7447	76010	7601	83114	8910	85120	8513	91150	9110
41150	4111	53040	5304	71149	7120	72131	7210	73077	4421	74048	7447	76020	7602	83115	8312	85210	8521	91210	9120
41160	4111	53045	5304	71150	7110	72140	7312	73078	7322	74050	7421	76030	7603	83116	8313	85220	8524	91215	9120
41170	8999	53050	5302	71151	7110	72145	7220	73080	8521	74052	7447	81109	8910	83120	8321	85230	8525	91220	9120
41182	4111	54010	5400	71152	7110	72146	7210	73081	7314	74053	7422	81110	8111	83130	8314	85235	8526	91310	9130
41184	4111	55010	5500	71153	7110	72151	7441	73082	8331	74054	7417	81125	8111	83139	8910	85240	8526	91320	9130
41215	4121	61010	6100	71154	7110	72152	7441	73083	7361	74055	7417	81145	8111	83140	8926	85241	8526	91410	9140
41225	4121	61020	6104	71155	7110	72153	7212	73084	7362	74056	7431	81150	8112	83141	8926	86010	8601	91420	9140
41235	4121	61030	6100	71156	7110	72210	7220	73085	7344	74060	7333	81159	8910	83142	8926	86020	1495	92110	9210
41240	4121	61040	6100	71157	7110	72231	7220	74001	7346	74063	7333	81160	8112	83210	8321	86030	8611	92120	9210
41245	4121	61070	6100	71158	7110	72241	7220	74002	7346	74064	7333	81209	8910	83220	8321	86040	8601	92130	9210
41250	4121	61071	6102	71159	7110	72250	7233	74003	7387	74066	7333	81212	8131	83229	8910	86041	8612	92140	9210
42112	4211	61072	6102	71160	7110	72320	7234	74004	7331	74067	7333	81220	8122	83230	8924	87110	8321	92150	9210
42122	4211	61073	6101	71161	7110	72330	7231	74005	7331	74069	7333	81230	8121	83240	8321	87111	8313	92210	9220
42132	4211	61077	6100	71162	7110	72340	7232	74007	7345	74070	7333	81240	8122	83309	8332	87115	8452	92220	9220
42135	4221	62010	6200	71163	7110	72350	7235	74008	7346	74071	7346	81310	8910	83310	8332	87120	8711	92230	9220
42142	4211	62020	6200	71164	7110	72360	7231	74009	7346	74074	7371	81320	8131	83315	8333	87125	8713	92310	9230
42148	4211	62077	6200	71165	7110	72361	7235	74012	6100	74075	7414	81330	8131	83320	8331	87130	8451	92320	9230
42152	4211	69010	6900	71170	7110	72377	7231	74013	7342	74076	7416	82109	8910	83321	8331	87135	8712	92360	9230
42162	4211	69015	6900	71171	7110	72411	7240	74015	7342	74077	4421	82112	8211	83330	8526	87140	9999		
42172	4211	69025	6900	71172	7110	72412	7240	74016	7387	74078	7531	82122	8211	83340	8910	87145	8929		
42310	4231	69030	6900	71173	7110	72413	7241	74017	7387	74079	7444	82130	8211	84109	8910	87210	8721		
42320	1221	71120	7110	71174	7110	72414	7241	74018	7347	74080	7413	82132	8211	84110	8412	87215	8721		
42410	4241	71121	7110	71175	7110	72422	7240	74019	7347	74081	7442	82140	8211	84115	8412	87220	1499		
42510	4251	71122	7110	71176	7110	72423	7240	74020	7441	74082	7447	82150	8211	84120	8421	88010	8999		
42520	4251	71123	7110	71178	7110	72424	7213	74021	7446	74083	7349	82160	1241	84125	8412	88020	8999		
42530	4251	71124	7110	71210	7120	72430	7220	74022	7441	74084	7421	82161	1241	84130	8413	88030	8999		
43110	4311	71125	7110	71310	7130	72510	7250	74023	7349	74085	7388	82209	8910	84140	8413	88040	8999		
44110	4421	71126	7110	71311	7130	72511	7251	74024	4321	74086	7388	82212	8221	84150	8414	89009	8910		

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DoD FACILITIES PRICING GUIDE—PART 2

General Comments on the Use of Unit Costs, Area Cost Factors, Size Adjustment Factors, and Inflation Rates

The following tables for Unit Costs for DoD Facilities, Area Cost Factors (ACFs), Size Adjustment Factors, and OSD Inflation Rates apply to MILCON project estimates. These tables are also maintained and available on the National Institute of Building Science (NIBS) Construction Criteria Database (CCB). Please address any questions regarding the following tables or cost engineering procedures to your participating Service member of the Tri-Service Committee on Cost Engineering.

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TABLE A: UNIT COSTS FOR DoD FACILITIES

Table A provides metric unit cost data for DoD facilities in dollars per square meter (\$/m²) and equivalent English unit cost data in dollars per square foot (\$/SF).

Most unit costs and referenced facility sizes are based on historic construction award data for Air Force, Army and Navy projects with construction contracts awarded after January 1997. Unit costs for a few category codes that have a limited number of awarded projects are based on contracts awarded since 1990. The unit cost database includes only new construction projects and does not include data from renovation or add/alter projects. The facility types or category codes listed represent those facilities more frequently constructed by the Services.

NOTES:

1. Unit costs are escalated to October 2005 and October 2006, the assumed midpoints of construction for FY05 and FY06, respectively, with an area cost factor of 1.00. Use the OSD inflation rates shown in Table D to escalate the FY05 unit costs beyond FY05. Unit costs include installed (built-in) building equipment and furnishings normally funded with MILCON funds. Unit costs are for primary facilities only and do not include supporting facility costs; equipment acquired with other fund sources; anti-terrorism/ force protection costs; construction contingency factors; supervision, inspection, and overhead (SIOH); or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions.
2. Unit costs for DoD medical facilities include category A and category B equipment, but do not include category E and category F equipment costs.
3. Unit costs for administrative facilities do not include pre-wired workstations or furnishing systems.
4. Unit costs for barracks and unaccompanied officers quarters do not include free-standing kitchen equipment. In addition to using the size adjustment factors, use the project size adjustment factors in table C.
5. Unit costs for child development centers do not include free-standing food service equipment or playground area and equipment.
6. Unit costs for family housing are based upon gross area and include sprinkler systems or fire-rated construction. Unit costs include post-award design costs.
7. For reserve facilities other than reserve centers, use the unit cost of the appropriate facility type.

TABLE A
PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES

	FACILITY TYPE	REFERENCE SIZE GROSS m ²	(NOTE 1) UNIT COST (\$ / m ²)		REFERENCE SIZE GROSS SF	(NOTE 1) UNIT COST (\$ / SF)	
			FY 2005	FY 2006		FY 2005	FY 2006
1.	SATELLITE COMMUNICATIONS CENTER (WITH SHIELDING AND GENERATOR)	550	5,231	5,315	6,000	486	494
2.	AIRCRAFT OPERATION BUILDING						
	WITHOUT TOWER	930	2,336	2,373	10,000	217	220
	WITH TOWER	1,400	3,261	3,314	15,000	303	308
3.	AIRFIELD FIRE AND RESCUE STATION (DOES NOT INCLUDE CENTRAL ALARM SYSTEM)	750	2,153	2,187	8,000	200	203
4.	OPERATIONS BUILDINGS						
	GENERAL PURPOSE	2,300	1,453	1,476	25,000	135	137
	HEADQUARTERS	1,650	1,647	1,673	18,000	153	155
	SQUADRON	3,350	1,593	1,619	36,000	148	150
5.	APPLIED INSTRUCTION BUILDINGS						
	GENERAL INSTRUCTION	2,300	1,593	1,619	25,000	148	150
	HIGH TECH (AUTO-AID) TRAINING	2,300	1,830	1,859	25,000	170	173
6.	RESERVE CENTER (NOTE 7)	1,860	1,399	1,422	20,000	130	132
7.	HANGARS						
	MAINTENANCE/GENERAL PURPOSE	2,150	1,733	1,761	23,000	161	164
	HIGH BAY MAINTENANCE	3,250	2,120	2,154	35,000	197	200
8.	SHOPS						
	VEHICLE MAINTENANCE, WHEEL	2,800	1,561	1,586	30,000	145	147
	VEHICLE MAINTENANCE, TRACK	2,300	1,615	1,640	25,000	150	152
	AIRCRAFT AVIONICS	2,150	1,593	1,619	23,000	148	150
	INSTALLATION MAINTENANCE	2,900	1,227	1,247	31,000	114	116
	PARACHUTE AND DINGHY	750	1,722	1,750	8,000	160	163
	A/C MACHINE SHOP	1,860	1,647	1,673	20,000	153	155
9.	STORAGE FACILITIES						
	COLD STORAGE WAREHOUSE/PROCESSING	1,000	1,292	1,312	11,000	120	122
	COLD STORAGE WAREHOUSE	550	1,722	1,750	6,000	160	163
	GENERAL PURPOSE WAREHOUSE - LOW BAY	3,700	775	787	40,000	72	73
	GENERAL PURPOSE WAREHOUSE - HIGH BAY	9,290	883	897	100,000	82	83
	GENERAL PURPOSE MAGAZINE W/O CRANE	930	2,099	2,133	10,000	195	198
	HIGH EXPLOSIVE MAGAZINE	450	2,250	2,286	5,000	209	212
10.	DOD MEDICAL FACILITIES (NOTE 2)						
	STATION HOSPITAL	NA	2,196	2,231	NA	204	207
	REGIONAL MEDICAL CENTER	NA	2,626	2,668	NA	244	248
	MEDICAL CLINIC	4,650	2,131	2,165	50,000	198	201
	MEDICAL/DENTAL CLINIC	5,570	2,077	2,111	60,000	193	196
	DENTAL CLINIC	1,860	2,228	2,264	20,000	207	210
	AMBULATORY CLINIC	2,800	1,959	1,990	30,000	182	185

TABLE A
PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES

	FACILITY TYPE	REFERENCE SIZE GROSS m ²	(NOTE 1) UNIT COST (\$ / m ²)		REFERENCE SIZE GROSS SF	(NOTE 1) UNIT COST (\$ / SF)	
			FY 2005	FY 2006		FY 2005	FY 2006
11.	ADMINISTRATIVE FACILITIES (NOTE 3)						
	MULTI-PURPOSE	2,300	1,507	1,531	25,000	140	142
	DATA PROCESSING AREA FACILITY (INCLUDES ADMIN AND STORAGE)	1,950	1,981	2,012	21,000	184	187
	COMMAND HEADQUARTERS BUILDING	3,700	1,948	1,979	40,000	181	184
12.	BARRACKS, DORMITORIES (NOTE 4) (DOES NOT INCLUDE KITCHENETTE EQUIPMENT)	9,250	1,615	1,640	99,500	150	152
13.	UNACCOMPANIED OFFICERS QUARTERS (NOTE 4)	4,100	1,615	1,640	44,000	150	152
14.	DINING FACILITY (INCLUDES KITCHEN EQUIP. AND INSTALLATION)	2,000	2,562	2,603	21,500	238	242
15.	FIRE STATION, COMMUNITY	750	1,722	1,750	8,000	160	163
16.	CHAPEL CENTER	1,400	1,841	1,870	15,000	171	174
17.	COMMISSARY (SALES STORE W/ OPERATIONAL EQUIPMENT)	7,900	1,464	1,487	85,000	136	138
18.	FAMILY SUPPORT						
	CHILD DEVELOPMENT CENTER (NOTE 5)	1,400	1,787	1,815	15,000	166	169
	EDUCATION CENTER	930	1,722	1,750	10,000	160	163
	YOUTH CENTER	1,400	1,647	1,673	15,000	153	155
	FAMILY SERVICE CENTER	450	1,647	1,673	5,000	153	155
19.	FAMILY HOUSING (NOTE 6)						
	CONUS	NA	764	776	NA	71	72
	OCONUS	NA	775	787	NA	72	73
20.	PHYSICAL FITNESS TRAINING CENTER	2,800	1,733	1,761	30,000	161	164
21.	MAIN EXCHANGE (W/ MALL SERVICE SHOPS)	7,430	1,173	1,192	80,000	109	111
22.	SERVICE CLUBS	2,090	2,443	2,482	22,500	227	231
23.	LIBRARIES	1,100	1,722	1,750	12,000	160	163
24.	RECREATION CENTERS	1,860	1,647	1,673	20,000	153	155
25.	BOWLING CENTERS (8 LANES W/ PIN SPOTTING EQUIPMENT AND AUTOMATIC SCORING DEVICE)	700	1,733	1,761	7,800	161	164
26.	DEPENDENT SCHOOLS						
	ELEMENTARY	NA	1,507	1,531	NA	140	142
	JUNIOR HIGH/MIDDLE	NA	1,528	1,553	NA	142	144
	HIGH SCHOOL	NA	1,593	1,619	NA	148	150
27.	TEMPORARY LODGING FACILITIES	2,800	1,518	1,542	30,000	141	143

TABLE B: AREA COST FACTORS

Use the area cost factors (ACFs) only with the primary facility unit costs from Table A.

Area cost factors for some locations have been updated from previous list based on the latest data input from the services' and field offices. In general, the area cost factors are developed based on the construction market condition of local costs for a market basket of 8 labor crafts, 18 construction materials, and 4 equipment items. These labor, materials, and equipment (LME) items are representative of the types of products and services used to construct most military facilities. In 2002, the market survey covered a list of 222 locations that includes 96 Base Cities (two per state in the continental US), 106 additional locations in the U.S., and 20 Overseas locations. A new construction market survey will be conducted in 2004.

Each of the LME costs is normalized and weighted to represent its contribution to the total cost of a typical facility. The normalized LME is then modified by seven matrix factors that cover local conditions affecting construction costs. These matrix factors include weather, seismic, climatic (frost zone, wind loads, and HVAC systems), labor availability, contractor overhead and profit, life support and mobilization, and labor productivity versus the U.S. standard. The resultant ACF for each location is normalized again by dividing by the Base City average to provide a final ACF that reflects the relative relationship of construction costs between that location and the Base City average as 1.00.

There is no easy correlation between these ACFs and previous ACFs for specific locations. No common benchmarks exist because both the Base City average and the relationships between cities change for each two-year cycle. It is possible, however, to compare differences between several locations in this database with differences between the same locations in previous databases.

Do not use these ACFs to modify parametric cost estimates, detailed quantity-take-offs, unit price book (UPB) line items, or commercial cost data. These other cost estimating systems and databases have their own processes and factors for adjusting costs to different locations.

The overall ACF for the state/country should be used when there is no specific ACF for a location within the state/country. The ACF for the closest location should be used only when market conditions (e.g. material prices, labor rates, labor availability, bidding climate) are similar.

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ALABAMA		0.83	ARKANSAS		0.90
	MOBILE	0.85		FORT SMITH	0.89
	MONTGOMERY	0.81		PINE BLUFF	0.90
(A)	ANNISTON ARMY DEPOT	0.78	(A)	FORT CHAFFEE	0.89
(A)	FORT MCCLELLAN	0.78	(AF)	LITTLE ROCK AIR FORCE BASE	0.87
(A)	FORT RUCKER	0.77	(A)	PINE BLUFF ARSENAL	0.90
(AF)	MAXWELL AIR FORCE BASE	0.81			
(N)	MOBILE AREA	0.85	CALIFORNIA		1.20
(A)	REDSTONE ARSENAL	0.85		SAN DIEGO	1.17
				SAN FRANCISCO	1.23
ALASKA		1.85	(N)	29 PALMS MARINE CORPS BASE	1.32
	ANCHORAGE	1.68	(AF)	BEALE AIR FORCE BASE	1.26
	FAIRBANKS	2.03	(N)	CAMP PENDLETON MARINE CORPS BASE	1.17
(N)	ADAK NAVAL STATION	3.46	(N)	CENTERVILLE BEACH	1.04
(AF)	CLEAR AIR FORCE BASE	2.15	(N)	CHINA LAKE NAVAL WEAPONS CENTER	1.27
(AF)	EACKERSON AIR FORCE BASE	3.50	(H)	CONCORD	1.23
(AF)	EIELSON AIR FORCE BASE	2.03	(AF)	EDWARDS AIR FORCE BASE	1.28
(AF)	ELMENDORF AIR FORCE BASE	1.68	(N)	EL CENTRO NAVAL AIR FIELD	1.20
(A)	FORT GREELY	2.15	(A)	FORT HUNTER LIGGETT	1.23
(A)	FORT RICHARDSON	1.68	(A)	FORT IRWIN	1.27
(A)	FORT WAINWRIGHT	2.03	(A)	FORT ORD	1.21
			(N)	LEMOORE	1.23
ARIZONA		0.99	(N)	LOS ANGELES AREA	1.13
	FLAGSTAFF	1.00	(AF)	MARCH AIR RESERVE BASE	1.01
	TUCSON	0.97	(AF)	MCCLELLAN AIR FORCE BASE	1.12
(AF)	DAVIS-MONTHAN AIR FORCE BASE	0.98	(N)	MONTEREY AREA	1.21
(A)	FORT HUACHUCA	1.11	(A)	OAKLAND ARMY BASE	1.23
(AF)	LUKE AIR FORCE BASE	1.00	(H)	POINT MUGU	1.14
(A)	NAVAJO ARMY DEPOT	1.00	(H)	POINT SUR	1.21
(N)	YUMA MCAS	1.14	(N)	PORT HUENEME AREA	1.14
(A)	YUMA PROVING GROUND	1.14	(A)	RIVERBANK ARMY AMMO PLANT	1.17

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CALIFORNIA (CONT)			DELAWARE		1.05
(A)	SACRAMENTO ARMY DEPOT	1.12		DOVER	1.05
(H)	SAN BRUNO	1.23		WILMINGTON	1.05
(N)	SAN CLEMENTE ISLAND	1.88	(AF)	DOVER AIR FORCE BASE	1.06
(H)	SEAL BEACH	1.13			
(A)	SHARPE ARMY DEPOT	1.22	FLORIDA		0.83
(A)	SIERRA ARMY DEPOT	1.29		MIAMI	0.87
(N)	STOCKTON AREA	1.18		PANAMA CITY	0.79
(AF)	TRAVIS AIR FORCE BASE	1.26	(AF)	CAPE CANAVERAL	0.97
(AF)	VANDENBERG AIR FORCE BASE	1.19	(AF)	EGLIN AIR FORCE BASE	0.80
			(AF)	HOMESTEAD AIR RESERVE STATION	0.87
COLORADO		1.07	(N)	JACKSONVILLE AREA	0.93
	COLORADO SPRINGS	1.11	(N)	KEY WEST NAVAL AIR STATION	1.24
	DENVER	1.03	(H)	MAYPORT	0.91
(AF)	AIR FORCE ACADEMY	1.11	(AF)	MACDILL AIR FORCE BASE	0.89
(AF)	BUCKLEY AIR FORCE BASE	1.03	(N)	ORLANDO AREA	0.85
(AF)	CHEYENNE MOUNTAIN	1.19	(N)	PANAMA CITY AREA	0.79
(A)	FITZSIMONS ARMY MED CENTER	1.03	(N)	PENSACOLA AREA	0.87
(A)	FORT CARSON	1.11	(AF)	TYNDALL AIR FORCE BASE	0.79
(AF)	PETERSON AIR FORCE BASE	1.11	(H)	WHITING FIELD	0.87
(A)	PUEBLO ARMY DEPOT	0.96			
(A)	ROCKY MOUNTAIN ARSENAL	1.03			
(AF)	SCHRIEVER AIR FORCE BASE	1.19			
CONNECTICUT		1.10			
	BRIDGEPORT	1.07			
	NEW LONDON	1.14			
(N)	NEW LONDON AREA	1.14			
(A)	STRATFORD ENG PLANT	1.07			

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GEORGIA		0.86	IDAHO		1.04
	ALBANY	0.79		BOISE	0.97
	ATLANTA	0.93		MOUNTAIN HOME	1.11
(H)	ATHENS	0.81	(AF)	MOUNTAIN HOME AIR FORCE BASE	1.11
(A)	FORT BENNING	0.80			
(A)	FORT GILLEM	0.93	ILLINOIS		1.22
(A)	FORT GORDON	0.84		BELLEVILLE	1.16
(A)	FORT MCPHERSON	0.93		CHICAGO	1.29
(A)	FORT STEWART	0.84	(N)	FOREST PARK (CHICAGO)	1.29
(N)	KINGS BAY	0.99	(N)	GLENVIEW (CHICAGO)	1.29
(AF)	MOODY AIR FORCE BASE	0.85	(N)	GREAT LAKES (NTC)	1.28
(AF)	ROBINS AIR FORCE BASE	0.83	(A)	ROCK ISLAND ARSENAL	1.02
			(A)	SAVANNAH ARMY DEPOT	0.98
			(AF)	SCOTT AIR FORCE BASE	1.19
HAWAII		1.70	INDIANA		0.98
	HONOLULU	1.66		INDIANAPOLIS	0.99
	KANEOHE BAY	1.75		LOGANSPOUT	0.98
(N)	BARBERS POINT NAVAL AIR STN.	1.74	(N)	CRANE NWSC	1.05
(N)	BARKING SANDS	1.74	(A)	FORT BENJAMIN HARRISON	1.03
(N)	FORD ISLAND	1.66	(AF)	GRISSOM AIR RESERVE BASE	1.05
(A)	FORT DERUSSY	1.66	(A)	JEFFERSON PROVING GROUND	0.92
(A)	FORT SHAFTER	1.66			
(AF)	HICKAM AIR FORCE BASE	1.66	IOWA		1.00
(N)	KANEOHE MARINE CORPS AIR STN.	1.75		BURLINGTON	1.05
(N)	PEARL HARBOR	1.66		DES MOINES	0.96
(N)	POHAKULOA	1.93	(A)	IOWA ARMY AMMO PLANT	1.10
(A)	SCHOFIELD BARRACKS	1.67			
(A)	TRIPLER ARMY MEDICAL CENTER	1.70			
(A)	WHEELER ARMY AIR FIELD	1.67			

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KANSAS		0.95	MARYLAND		0.98
	MANHATTAN	0.96		BALTIMORE	0.89
	WICHITA	0.94		LEXINGTON PARK	1.08
(A)	FORT LEAVENWORTH	1.05	(A)	ABERDEEN PROVING GROUND	0.89
(A)	FORT RILEY	1.08	(AF)	ANDREWS AIR FORCE BASE	1.00
(A)	KANSAS ARMY AMMO PLANT	1.01	(N)	ANNAPOLIS	1.00
(AF)	MCCONNELL AIR FORCE BASE	0.94	(N)	BETHESDA	1.00
			(N)	CHELTONHAM (DC)	1.00
KENTUCKY		0.92	(N)	CHESAPEAKE BEACH	0.95
	LEXINGTON	0.88	(A)	FORT DETRICK	1.00
	LOUISVILLE	0.96	(A)	FORT GEORGE G MEADE	1.00
(A)	FORT CAMPBELL	1.05	(A)	FORT RITCHIE	0.89
(A)	FORT KNOX	1.05	(A)	HARRY DIAMOND LAB	1.00
(A)	LEXINGTON/BLUE GRASS AD	0.95	(N)	INDIAN HEAD	0.97
(N)	LOUISVILLE NAVAL AIR STATION	0.96	(N)	PATUXENT RIVER AREA	1.08
			(N)	THURMONT	1.10
LOUISIANA		0.93	MASSACHUSETTS		1.13
	NEW ORLEANS	0.96		BOSTON	1.16
(AF)	BARKSDALE AIR FORCE BASE	0.89		FITCHBURG	1.09
	SHREVEPORT	0.89	(A)	ARMY MAT & MECH LAB	1.15
(A)	FORT POLK	0.93	(A)	FORT DEVENS	1.16
(A)	LOUISIANA ARMY AMMO PLANT	0.89	(AF)	HANSCOM AIR FORCE BASE	1.16
(A)	NEW ORLEANS ARMY BASE	0.96			
MAINE		1.05	MICHIGAN		1.13
	BANGOR	1.05		DETROIT	1.15
	PORTLAND	1.05		MARQUETTE	1.10
(N)	BRUNSWICK AREA	1.11	(A)	DETROIT ARSENAL	1.15
(N)	CUTLER WINTER HARBOR	1.07	(AF)	K I SAWYER AIR FORCE BASE	1.10
(H)	KITTERY/PORTSMOUTH	1.05			

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MINNESOTA		1.08	NEVADA		1.20
	DULUTH	1.05		HAWTHORNE	1.16
	MINNEAPOLIS	1.11		LAS VEGAS	1.24
			(N)	FALLON	1.21
MISSISSIPPI		0.84	(A)	HAWTHORNE ARMY AMMO PLANT	1.16
	BILOXI	0.90	(AF)	NELLIS AIR FORCE BASE	1.28
	COLUMBUS	0.78			
(AF)	COLUMBUS AIR FORCE BASE	0.78	NEW HAMPSHIRE		1.06
(N)	GULFPORT AREA	0.90		CONCORD	1.08
(AF)	KESLER AIR FORCE BASE	0.90		PORTSMOUTH	1.05
(N)	MERIDIAN NAVAL AIR STATION	0.94			
			NEW JERSEY		1.14
MISSOURI		0.99		NEWARK	1.15
	KANSAS CITY	1.01		TRENTON	1.12
	SEDALIA	0.97	(N)	BAYONNE MOT	1.14
(A)	FORT LEONARD WOOD	1.13	(N)	EARLE	1.21
(A)	LAKE CITY ARMY AMMO PLNT	1.03	(A)	FORT DIX	1.15
(A)	ST LOUIS ARMY AMMO PLANT	1.09	(A)	FORT MONMOUTH	1.10
(AF)	WHITEMAN AIR FORCE BASE	1.04	(H)	LAKEHURST	1.16
			(AF)	MCGUIRE AIR FORCE BASE	1.15
MONTANA		1.14	(A)	PICATINNY ARSENAL	1.20
	BILLINGS	1.12			
	GREAT FALLS	1.16	NEW MEXICO		0.97
(AF)	MALMSTROM AIR FORCE BASE	1.16		ALAMOGORDO	0.96
				ALBUQUERQUE	0.99
NEBRASKA		0.95	(AF)	CANNON AIR FORCE BASE	1.04
	GRAND ISLAND	0.91	(AF)	HOLLOMAN AIR FORCE BASE	0.98
	OMAHA	0.99	(AF)	KIRTLAND AIR FORCE BASE	0.99
(A)	CORNHUSKER ARMY AMMO PLANT	0.91	(A)	WHITE SANDS MR	1.00
(AF)	OFFUTT AIR FORCE BASE	0.99			

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NEW YORK		1.07	OHIO		0.98
	ALBANY NEW YORK	1.02		DAYTON	0.96
	BUFFALO	1.12		YOUNGSTOWN	1.00
(A)	FORT DRUM	1.13	(A)	RAVENNA ARMY AMMO PLANT	1.03
(H)	LONG ISLAND	1.36	(AF)	WRIGHT-PATTERSON AIR FORCE BASE	0.96
(A)	NEW YORK CITY	1.49			
(N)	NIAGARA	1.12	OKLAHOMA		0.92
(AF)	ROME LABORATORY	1.07		LAWTON	0.92
(H)	SCOTIA	1.02		OKLAHOMA CITY	0.91
(A)	SENECA ARMY DEPOT	1.06	(AF)	ALTUS AIR FORCE BASE	0.99
(N)	STATEN ISLAND	1.49	(A)	FORT SILL	0.92
(A)	U S MILITARY ACADEMY	1.40	(A)	MCALESTER ARMY AMMO PLANT	0.84
(A)	WATERVLIET ARSENAL	1.02	(AF)	TINKER AIR FORCE BASE	0.91
			(AF)	VANCE AIR FORCE BASE	0.92
NORTH CAROLINA		0.87	OREGON		1.06
	FAYETTEVILLE	0.87		PENDLETON	1.06
	GREENSBORO	0.87		PORTLAND	1.06
(N)	CAMP LEJEUNE AREA	0.96	(A)	UMATILLA ARMY DEPOT	1.19
(N)	CHERRY POINT	0.96			
(A)	FORT BRAGG	0.88	PENNSYLVANIA		1.05
(N)	NEW RIVER	0.96		PHILADELPHIA	1.10
(AF)	POPE AIR FORCE BASE	0.88		PITTSBURGH	0.99
(AF)	SEYMOUR JOHNSON AIR FORCE BASE	0.83	(A)	CARLISLE BARRACKS	0.93
(A)	SUNNY POINT	0.87	(A)	INDIANTOWN GAP MR	1.00
NORTH DAKOTA		1.02	(A)	LETTERKENNY ARMY DEPOT	0.99
	GRAND FORKS	0.95	(N)	MECHANICSBURG AREA	0.93
	MINOT	1.09	(A)	NEW CUMBERLAND ARMY DEPOT	0.93
(AF)	GRAND FORKS AIR FORCE BASE	0.95	(A)	TOBYHANNA ARMY DEPOT	1.07
(AF)	MINOT AIR FORCE BASE	1.09	(N)	WARMINSTER	1.08
			(H)	WILLOW GROVE	1.08

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RHODE ISLAND		1.04	TEXAS		0.81
	NEWPORT	1.04		SAN ANGELO	0.81
	PROVIDENCE	1.03		SAN ANTONIO	0.82
			(AF)	BROOKS AIR FORCE BASE	0.82
SOUTH CAROLINA		0.88	(A)	CAMP BULLIS	0.82
	CHARLESTON	0.92	(N)	CORPUS CHRISTI AREA	0.90
	COLUMBIA	0.83	(N)	DALLAS	0.90
(N)	BEAUFORT AREA	1.01	(AF)	DYESS AIR FORCE BASE	0.97
(AF)	CHARLESTON AIR FORCE BASE	0.92	(A)	FORT BLISS	0.92
(A)	FORT JACKSON	0.83	(A)	FORT HOOD	0.85
(AF)	SHAW AIR FORCE BASE	0.83	(A)	FORT SAM HOUSTON	0.82
			(H)	FORT WORTH	0.90
SOUTH DAKOTA		0.94	(AF)	GOODFELLOW AIR FORCE BASE	0.81
	RAPID CITY	0.93	(N)	INGLESIDE NAVAL STATION	0.95
	SIOUX FALLS	0.94	(AF)	KELLY AIR FORCE BASE	0.82
(AF)	ELLSWORTH AIR FORCE BASE	0.93	(N)	KINGSVILLE AREA	0.91
			(AF)	LACKLAND AIR FORCE BASE	0.82
TENNESSEE		0.87	(AF)	LAUGHLIN AIR FORCE BASE	0.87
	CHATTANOOGA	0.82	(A)	LONE STAR ARMY AMMO PLANT	0.89
	MEMPHIS	0.92	(A)	LONGHORN ARMY AMMO PLANT	0.81
(AF)	ARNOLD AIR FORCE BASE	0.89	(AF)	RANDOLPH AIR FORCE BASE	0.82
(N)	MEMPHIS NAVAL AIR STATION	1.00	(A)	RED RIVER ARMY DEPOT	0.89
(A)	VOLUNTEER ORDINANCE WORKS	0.82	(AF)	REESE AIR FORCE BASE	0.88
			(AF)	SHEPPARD AIR FORCE BASE	0.93
			UTAH		1.01
				OGDEN	1.00
				SALT LAKE CITY	1.02
			(A)	DUGWAY PROVING GROUND	1.05
			(A)	FORT DOUGLAS	1.02
			(AF)	HILL AIR FORCE BASE	1.00
			(A)	TOOELE ARMY DEPOT	1.05

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VERMONT		1.01	WASHINGTON		1.04
	BURLINGTON	1.02		SPOKANE	1.02
	MONTPELIER	1.00		TACOMA	1.06
			(H)	BANGOR	1.20
VIRGINIA		0.92	(N)	BREMERTON	1.20
	NORFOLK	0.94	(N)	EVERETT	1.11
	RICHMOND	0.91	(AF)	FAIRCHILD AIR FORCE BASE	1.02
(H)	CAMP PEARY	0.94	(A)	FORT LEWIS	1.06
(H)	CHESAPEAKE	0.94	(N)	INDIAN HEAD	1.20
(A)	DAHLGREN	0.98	(AF)	MCCHORD AIR FORCE BASE	1.06
(A)	FORT A. P. HILL	0.98	(N)	SILVERDALE	1.19
(A)	FORT BELVOIR	1.00	(N)	WHIDBEY ISLAND	1.27
(A)	FORT EUSTIS	0.94	(A)	YAKIMA FIRING RANGE	1.08
(A)	FORT LEE	0.94			
(A)	FORT MONROE	0.94	WEST VIRGINIA		0.96
(A)	FORT MYER	1.00		BLUEFIELD	0.94
(A)	FORT PICKETT	0.94		CHARLESTON	0.97
(A)	FORT STORY	0.94	(N)	SUGAR GROVE	1.41
(AF)	LANGLEY AIR FORCE BASE	0.94			
(N)	QUANTICO	0.98	WISCONSIN		1.08
(A)	RADFORD ARMY AMMO PLANT	0.94		MADISON	1.07
(A)	VINT HILL FARMS	0.94		MILWAUKEE	1.08
(N)	WALLOPS ISLAND	1.12	(A)	BADGER ARMY AMMO PLANT	1.14
(H)	YORKTOWN	0.94	(A)	FORT MCCOY	1.16
WASHINGTON DC		1.00	WYOMING		0.97
(AF)	BOLLING AIR FORCE BASE	1.00		CASPER	0.94
(A)	FORT MCNAIR	1.00		CHEYENNE	1.00
(A)	WALTER REED ARMY MEDICAL CENTER	1.00	(AF)	F E WARREN AIR FORCE BASE	1.00

TABLE B: AREA COST FACTORS

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PART II – OCONUS LOCATIONS

<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>	<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>
ANTIGUA		1.90	2.70	ANTIGUA \$/US \$	DIEGO GARCIA		2.56	1.00	US \$
AUSTRALIA		1.30	1.92	AUSTRALIAN \$/US \$	DIEGO GARCIA		2.56		
	DARWIN	1.52			EGYPT		1.30	4.63	POUND/US \$
	PERTH	1.16				CAIRO	1.30		
	SYDNEY	1.13			GERMANY		1.22	1.031	EURO/US \$
	WOOMERA AS	1.38				FRANKFURT	1.20		
AZORES		1.30	198.83	PORT. ESCUDO/US \$		KAISERSLAUTERN	1.22		
	LAJES	1.30				SPANGDALHEM	1.23		
BAHAMAS		1.69	1.00	BAHAMIAN \$/US \$		TRIER	1.25		
	ANDROS ISLAND		1.69		GREECE		1.32	1.031	EURO/US \$
BAHRAIN		1.31	0.38	BAHRAIN DINAR/US \$		ATHENS	1.32		
BELGIUM		1.21	1.031	EURO/US \$	GREENLAND		2.98	7.39	DANISH KRONE/US \$
	BRUSSELS	1.21				THULE	2.98		
BERMUDA		1.55	1.00	BERMUDA \$/US \$	GUAM		2.02	1.00	US \$
CAMBODIA		1.60	3,810.00	RIEL/US \$		GUAM	2.02		
	PHNOM PENH	1.60			ICELAND		2.10	73.33	KRONA/US \$
CANADA		1.29	1.58	CANADIAN \$/US \$		REYKJAVIK	2.10		
	ARGENTIA/ NEWFOUNDLAND	1.29			INDIA		1.60	48.64	INDIAN RUPI/US \$
CHINA		1.58	8.28	CHINESE YUAN/US \$		NEW DELHI	1.60		
	HONG KONG	1.58			INDONESIA		1.21	10,185.00	INDONISIAN RUPHIAH/US \$
CRETE		1.22	361.4	DRACHMA/US \$		JAKARTA	1.21		
	SOUDA BAY	1.22			ISRAEL		1.32	4.62	NEW SHEKELS/US \$
CUBA		1.29	1.00	US \$					
	GUANTANAMO	1.29							

TABLE B: AREA COST FACTORS

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TABLE B: AREA COST FACTORS

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PART II – OCONUS LOCATIONS

<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>	<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>
ITALY		1.24	1.031	EURO/ US \$	KUWAIT		1.23	0.31	DINAR/US \$
	AVIANO	1.38			KWAJALEIN		2.29	1.00	US \$
	GAETA	1.18			MIDWAY ISLAND		2.21	1.00	US \$
	ISOLA DI CAPO RIZZUTO	1.25			MOROCCO		1.04	10.22	DIRHAM/US \$
	LA MADDALENA	1.28				CASABLANCA	1.04		
	NAPLES	1.18			NETHERLANDS		1.27	2.22	GUILDER/US \$
	SIGONELLA	1.15				OSS	1.27		
JAPAN		1.62	125.49	YEN/US \$	NEW ZEALAND		1.68	2.37	NEW ZEALAND \$/US \$
	ATSUGI	1.66				WELLINGTON	1.68		
	IWAKUNI	1.59			NORWAY		1.48	9.031	KRONER/US \$
	MISAWA	1.68				OSLO	1.48		
	OKINAWA	1.52			OMAN		1.12	0.385	RILOMANI/US \$
	TOKYO	1.64				RUWI	1.12		
	YOKOSUKA	1.64			PANAMA		1.20	1.00	US \$
JOHNSTON ATOLL		2.22	1.00	US \$		PANAMA CITY	1.20		
KOREA		1.07	1,255.00	WON/US \$	PHILIPPINES		0.61	51.21	PHILIPPINE PESO/ US \$
	CHINHAE	1.06				MANILLA	0.60		
	CHUNCHON	1.04				SUBIC BAY	0.62		
	DMZ ZONE AREA	1.20			PORTUGAL		1.24	1.031	EURO/US \$
	KUNSAN	1.12				LISBON	1.24		
	OSAN	1.11			PUERTO RICO		1.36	1.00	US \$
	POHANG	1.04				ROOSEVELT ROADS	1.36		
	PUSAN	1.04				SAN JUAN	1.36		
	PYONGTAEK	1.04			QATAR		1.24	3.75	RIYAL/US \$
	SEOUL	1.03							
	TAEGU	1.12							
	TONGDUCHON	1.04							
	WONJU	1.04							

TABLE B: AREA COST FACTORS

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TABLE B: AREA COST FACTORS

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PART II – OCONUS LOCATIONS

<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>	<u>NATION</u>	<u>LOCATION</u>	<u>ACF</u> <u>INDEX</u>	<u>CURRENCY</u> <u>EXCHANGE</u>	<u>REMARKS</u>
SAUDI ARABIA		1.14		3.75 RIYAL/US \$					
	RIYADH	1.14							
SEYCHELLES ISLAND		1.92		1.00 US \$					
SPAIN		1.28		1.031 EURO/US \$					
	ROTA	1.28							
THAILAND		1.09		43.99 BAHT/US \$					
	BANGKOK	1.09							
	CHANG MAI	1.09							
	CHANG RAI	1.09							
	KHANCHANA BURI	1.09							
	KORAT	1.09							
	PATTAYA	1.09							
	PHITSANULOK	1.09							
TURKEY		0.91		1,694,915 TURKEY LIRE/US \$					
	ANKARA	0.91							
	INCIRLICK	0.90							
UNITED ARAB EMIRATES		1.14		3.75 RIYAL/US \$					
	DUBAI	1.14							
UNITED KINGDOM		1.22		0.651 BRITISH POUND/US \$					
	FAIRFORD/CROUGHTON	1.20							
	LAKENHEATH	1.20							
	MENWITH HILL	1.20							
	MILDENHALL	1.20							
	ST. MAWGAN	1.22							
	WEST RUISLIP	1.26							

TABLE B: AREA COST FACTORS

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TABLE C: SIZE ADJUSTMENT FACTORS

The Size Adjustment Factor table is based on data analysis that shows a correlation exists between project size and construction cost. Unit construction costs generally are lower for larger projects due to greater opportunities for material quantity discounts and for spreading mobilization, demobilization and general overhead costs over a greater number of units.

All unit costs are based on the referenced facility sizes. Use Table C, Size Adjustment Factor, to adjust unit costs for facilities whenever your project size differs from the referenced facility size shown in Table A. Divide the gross area of your proposed facility by the referenced size for that facility type to determine the size relationship ratio. Use this ratio to find the appropriate size adjustment factor in Table C. Multiply the unit cost from Table A by the size adjustment factor to calculate the adjusted unit cost for your facility, if applicable.

Base your proposed project size on the total project scope to be awarded as a single construction contract, regardless of the number of buildings to be constructed within that scope. If a construction award project is to be broken into a number of discreet phases where the contractor has limited control over the phasing, use the average scope for all phases as the basis for your size adjustment calculations. In addition to using the size adjustment factors, in Table C, for enlisted dormitory (barracks) also use the project size adjustment factors in Table C, as applicable. (See EXAMPLE below.)

EXAMPLE: You propose to build a 144 Person/Room (4,752 m²) Enlisted Barracks/Dormitory in FY05. The referenced facility size taken from the unit cost summary is 9,250 m². The size relationship ratio is 0.51 (4,752 m² divided by 9,250 m²). Enter Table C to find the Size Adjustment Factor of 1.08 and the project size adjustment factor of 1.03. Multiply the unit cost of \$1615/m² by 1.08 and 1.03 to determine that your adjusted unit cost is \$ 1,797/m².

EXAMPLE: You propose to build a 3,500 m² multi-purpose administrative facility. The referenced facility size taken from the unit cost summary is 2,300 m². The size relationship ratio is 1.52 (3,500 m² divided by 2,300 m²). Enter Table C to find the Size Adjustment Factor of 0.96. Multiply the unit cost of \$1507/m² by 0.96 to determine that your adjusted unit cost is \$ 1,447/m².

TABLE C: SIZE ADJUSTMENT FACTORS (ALL FACILITIES OTHER THAN HOUSING)

Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor
< 0.05	1.275	1.00	1.000	2.00	0.942	3.00	0.921
0.05	1.275	1.05	0.995	2.05	0.940	3.05	0.920
0.10	1.269	1.10	0.990	2.10	0.939	> 3.05	0.920
0.15	1.232	1.15	0.986	2.15	0.937		
0.20	1.202	1.20	0.982	2.20	0.936		
0.25	1.175	1.25	0.978	2.25	0.935		
0.30	1.152	1.30	0.974	2.30	0.933		
0.35	1.132	1.35	0.971	2.35	0.932		
0.40	1.114	1.40	0.968	2.40	0.931		
0.45	1.098	1.45	0.965	2.45	0.930		
0.50	1.084	1.50	0.962	2.50	0.929		
0.55	1.072	1.55	0.960	2.55	0.928		
0.60	1.060	1.60	0.957	2.60	0.927		
0.65	1.050	1.65	0.955	2.65	0.926		
0.70	1.041	1.70	0.953	2.70	0.925		
0.75	1.033	1.75	0.951	2.75	0.924		
0.80	1.025	1.80	0.949	2.80	0.924		
0.85	1.018	1.85	0.947	2.85	0.923		
0.90	1.011	1.90	0.945	2.90	0.922		
0.95	1.005	1.95	0.943	2.95	0.921		

MILITARY FAMILY HOUSING PROJECT SIZE ADJUSTMENT FACTORS		BARRACKS/DORMITORIES PROJECT SIZE ADJUSTMENT FACTORS	
NUMBER OF UNITS in the project	PROJECT SIZE FACTOR	NUMBER OF ROOMS in the project	PROJECT SIZE FACTOR
1-9	1.25	1-99	1.07
10-19	1.15	100-149	1.03
20-49	1.10	150-199	1.00
50-99	1.04	200-299	0.97
100-199	1.00	300+	0.95
200-299	0.93		
300+	0.90		

TABLE D: INFLATION RATES

The inflation rates in Table D are based upon PBD 604 published by the Under Secretary of Defense (Comptroller) on January 7, 2003. The Table D inflation guidance has an arbitrary baseline of 1.00 for October 2005. The inflation indices are based on the Engineering News Record (ENR) historic data through October 2002 and the Comptroller-projected inflation rates after that date.

Fiscal Year	Mid-Point of Construction (Month Yr)	(Note 1) ENR Indices (Raw)	(Note 2) OSD Inflation rate %	(Note 3) OSD Inflation Indices	
1980	Oct 80	1976		0.521	Note 1: Inflation multipliers through October 2002 are based on Engineering News Record Building Construction Indices.
1981	Oct 81	2151		0.567	
1982	Oct 82	2262		0.597	
1983	Oct 83	2416		0.637	
1984	Oct 84	2424		0.639	
1985	Oct 85	2441		0.644	Note 2: Inflation multipliers after October 2002 are from PBD 604 (Jan 7, 2003) published by USD (Comptroller)
1986	Oct 86	2511		0.662	
1987	Oct 87	2569		0.678	
1988	Oct 88	2612		0.689	
1989	Oct 89	2662		0.702	
1990	Oct 90	2728		0.720	
1991	Oct 91	2786		0.735	
1992	Oct 92	2867		0.756	
1993	Oct 93	3016		0.795	
1994	Oct 94	3116		0.822	
1995	Oct 95	3117		0.822	Note 3: Use these inflation indices to adjust unit costs for projects FY 2005 and beyond unless OUSD modifies the rate. The inflation rates are subject to change during the course of the budget.
1996	Oct 96	3284		0.866	
1997	Oct 97	3372		0.889	
1998	Oct 98	3423		0.903	
1999	Oct 99	3505		0.924	
2000	Oct 00	3547		0.936	
2001	Oct 01	3602		0.950	
2002	Oct 02	3651		0.963	
2003	Oct 03	3680	0.80%	0.971	
2004	Oct 04	3735	1.50%	0.985	
2005	Oct 05	3791	1.50%	1.000	
2006	Oct 06	3852	1.60%	1.016	
2007	Oct 07	3918	1.70%	1.033	
2008	Oct 08	3988	1.80%	1.052	
2009	Oct 09	4060	1.80%	1.071	
2010	Oct 10	4133	1.80%	1.090	
2011	Oct 11	4207	1.80%	1.110	



Office of the Deputy Under Secretary of Defense for Installations and Environment